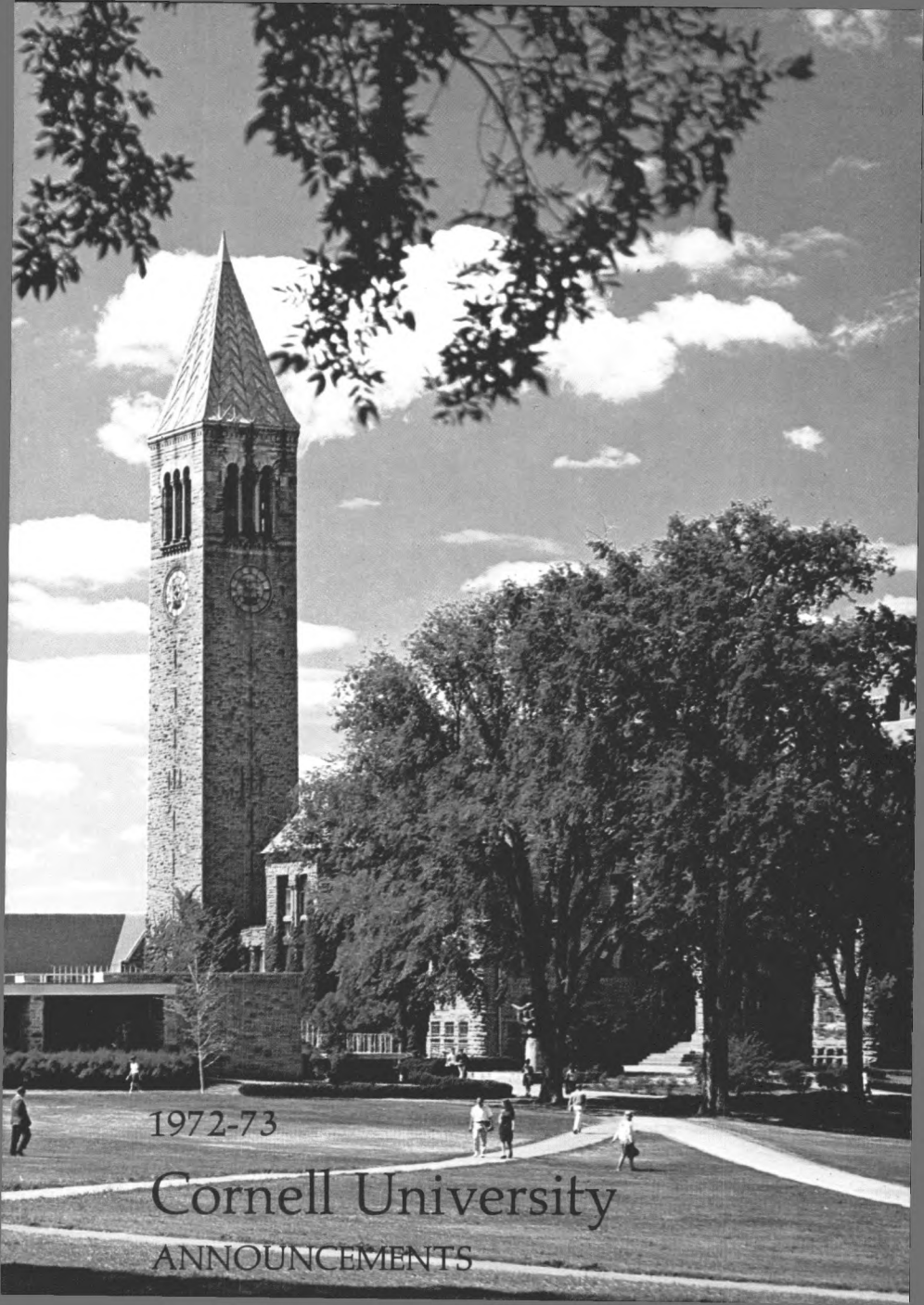
A black and white photograph of the Cornell University campus. The central focus is the tall, stone clock tower with a pointed roof and arched windows. To the right of the tower is a large, leafy tree. In the foreground, a wide, paved path leads from the bottom center towards the tower. Several people are walking along this path. The sky is filled with clouds, and the top of the frame is partially obscured by dark, leafy branches.

1972-73

Cornell University
ANNOUNCEMENTS

General Information



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Cornell University

ANNOUNCEMENTS

Cornell University

*General
Information*

1972-73

Cornell Academic Calendar

1972-73*

Registration, new students	Th, Aug. 31
Registration, continuing and rejoining students	F, Sept. 1
Fall term instruction begins, 7:30 a.m.	M, Sept. 4
Thanksgiving recess:	
Instruction suspended, 1:10 p.m.	W, Nov. 22
Instruction resumed, 7:30 a.m.	M, Nov. 27
Fall term instruction ends, 1:10 p.m.	S, Dec. 9
Independent study period begins, 2:00 p.m.	S, Dec. 9
Final examinations begin	Th, Dec. 14
Final examinations end	F, Dec. 22
Registration, new and rejoining students	Th, Jan. 18
Registration, continuing students	F, Jan. 19
Spring term instruction begins, 7:30 a.m.	M, Jan. 22
Spring recess:	
Instruction suspended, 1:10 p.m.	S, Mar. 17
Instruction resumed, 7:30 a.m.	M, Mar. 26
Spring term instruction ends, 1:10 p.m.	S, May 5
Independent study period begins, 2:00 p.m.	S, May 5
Final examinations begin	M, May 14
Final examinations end	T, May 22
Commencement Day	F, May 25

* The dates shown in the Academic Calendar are subject to change at any time by official action of Cornell University.

In enacting this calendar, the University Senate has scheduled classes on religious holidays. It is the intent of Senate legislation that students missing classes due to the observance of religious holidays be given ample opportunity to make up work.

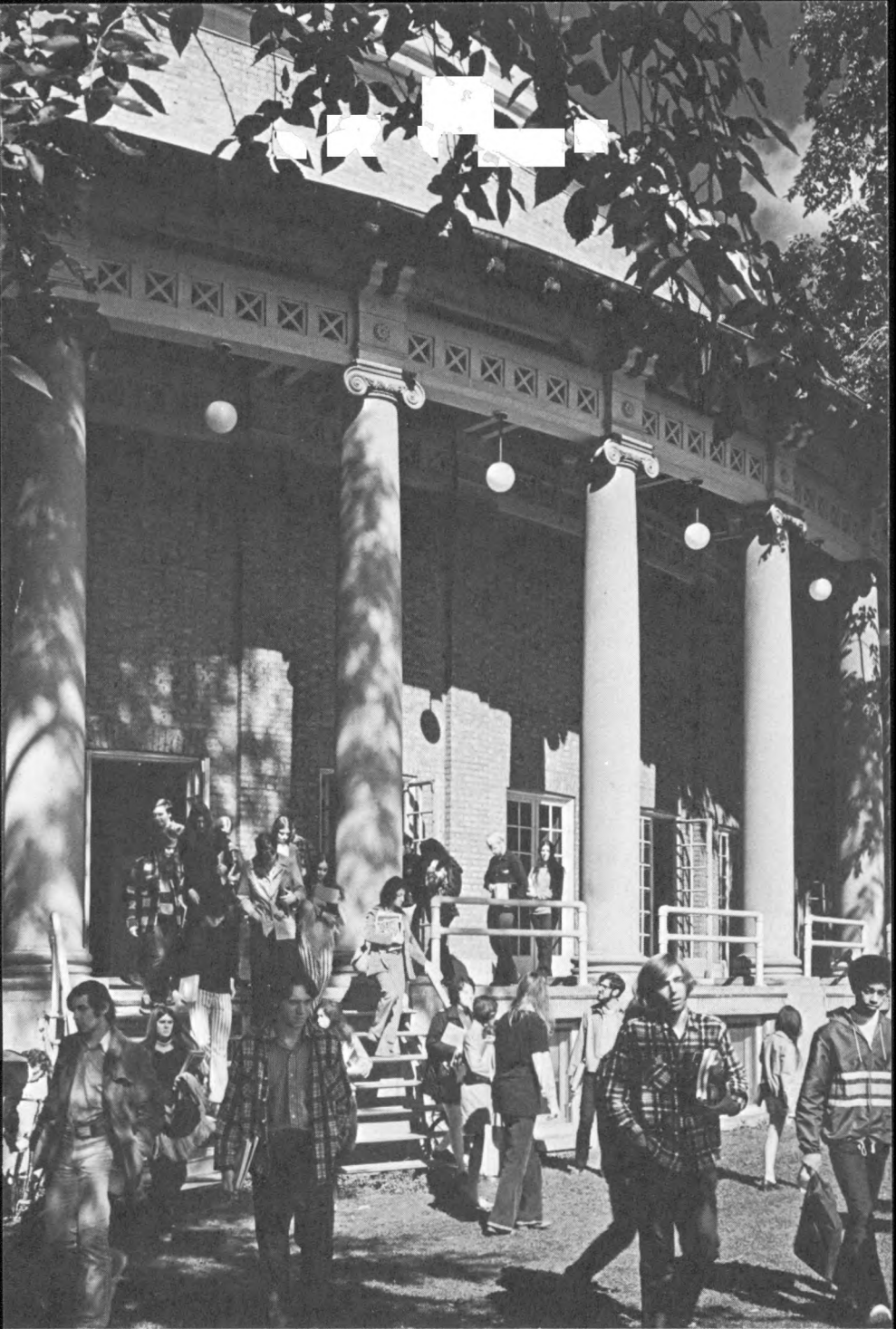
CORNELL UNIVERSITY ANNOUNCEMENTS

Volume 64 of the Cornell University Announcements consists of twenty-two catalogs, of which this is number 8, dated June 2, 1972. Publication dates: twenty-two times a year (four times in September; three times in March and June; twice in January, July, October, and November; once in April, May, August, and December). Publisher: Cornell University, Sheldon Court, 420 College Avenue, Ithaca, New York 14850. Second-class postage paid at Ithaca, New York.

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The curricula described in this *Announcement*, and the personnel listed herein, are subject to change at any time by official action of Cornell University.



Students leaving Bailey Hall. This is the center for the Bailey Hall Concert Series. World-famous lecturers and performers are heard here each season.

Cornell University

THE FOUNDING

When Cornell was founded in 1865, it was considered a startling innovation in American education. Instead of pursuing conventional academic ideas, it proposed to offer *any* intellectually qualified person instruction in *any* subject. Ignoring as it did distinctions based on religion, sex, and color, the "Cornell Idea" was viewed as a questionable experiment.

Time proved the University to have been a leader in a great shift in American education. It answered the three most pressing demands of the period: liberalization of the humanities curriculum, promotion of research, and provision of advanced training in agriculture and engineering.

The Cornell story is best told in terms of its founders—Ezra Cornell and Andrew Dickson White.

Ezra Cornell was practical and energetic and had a Quaker conscience which impelled him to say, "My greatest care is how to spend this large income to do the greatest good. . . ." Cornell was not born to wealth. He had worked hard for it. And although his own education was meager, he concluded that supporting education was the best way to use his personal fortune for the good of posterity. His search for a way to implement this resolve ended when he met Andrew Dickson White, a fellow senator in the legislature at Albany.

White was American-born but a product of an older culture. It was easy to imagine him in a European university, happy among books and the trappings of antiquity. Devoted to learning, steeped in the arts and humanities, he was a professor and lived in the world of ideas. He had long dreamed of an educational institution that would be "a worthy American university."

In 1864 the two men conceived a plan to combine Ezra Cornell's resources with the proceeds from sale of the public land

awarded to New York State under the federal land-grant college act; together they won the state legislature's approval; together they built the University.

It was as much from their differences of character as from their common interest that the University was shaped. The practical Cornell would have established a school to train young men for agriculture and industry. The scholarly White would have started "a nucleus around which liberally minded men of learning... could cluster, a center from which ideas and men shall go forth to bless the nation...."

As the product of both men's ideas, Cornell University became more than either had envisioned. It became a unique institution responsive to the new needs of the nation.

CORNELL TODAY

The University's basic objective is to produce men and women of intellect and to equip them to use their abilities wisely.

The stature of Cornell as a university is not a product of its size or location. It is not a function of age or financial standing or the geographic origin of students. Both excellence and mediocrity can be found in universities in any size range, any stage of prosperity, and any age group. The factors that distinguish Cornell and place it among the eminent universities of our time lie behind the brick and mortar, in the traditions, objectives, and commitments of the University and its people.

Cornell is not solely a place for memorizing data or mastering a vocation. It is, instead, a route to intellectual maturity, a means for developing the ideas, insights, and values which form a permanent personal capacity for intelligent thought and action. The Cornell student is prepared to use knowledge well for himself and society. The diversity of Cornell contributes breadth and perspective to strong, specialized programs of study.

Compared with some other American universities Cornell is of medium size. Listed on its rolls are some 15,000 students. Its faculty and staff on the Ithaca campus number about 7,000.

Some universities are sustained by public money; others depend on private funds supplied by alumni, friends, and other sources. Cornell draws its support from both. Part of the University is state-supported; part, privately financed through endowment, tuition, fees, gifts, and grants.

Cornell is a national—in fact, an international—institution. Its students come from every state in the Union and from about ninety foreign countries. The faculty and staff have been drawn

from every region of the nation—and again many nationalities are represented.

Cornell's activities are mainly centered in Ithaca, New York, on a campus comprising more than ninety major buildings on about 740 acres. Here, the University has the classrooms, laboratories, libraries, experimental gardens, dormitories, and other facilities needed for most of its work. It has also spread to other communities, however. It has a medical college, a nursing school, and a graduate school of Medical Sciences in New York City. It operates the New York State Agricultural Experiment Station in Geneva, New York, and the National Astronomy and Ionosphere Center in Arecibo, Puerto Rico. Research teams are at work in several foreign countries.

CORNELL'S COLLEGES AND SCHOOLS

In 1868, when the first freshmen assembled on the Ithaca hills, Cornell University already was committed to having a curriculum of breadth as well as depth. Three programs of study were offered: a "classical" course, following the time-honored pattern of established universities; a "scientific and modern" course, directed to technology and similarly utilitarian studies; and an amalgam of the two called simply a "combined" course.

In the intervening years these three segments have grown into an academic complex of sixteen undergraduate and graduate schools and colleges which are fully accredited by state, regional, and national associations. The curriculum spans almost all the major branches of learning. Bachelor's degrees are awarded in ten broad areas of study.

Ten of the colleges and schools are now privately financed; four are operated under contract as units of the State University of New York. Regardless of the source of funds, all colleges and schools are full-fledged components of the University, interchanging students and supporting each other's efforts and programs. Admission to Cornell University involves, in each instance, meeting the entrance requirements of one of these academic divisions.

The central and largest unit is the College of Arts and Sciences. A liberal college, it devotes itself to those subjects which enable man to understand himself and his world—the humanities, the physical sciences, and the social studies. Every undergraduate takes some of its courses.

High school graduates are admitted to the New York State College of Agriculture and Life Sciences; the New York State College of Human Ecology; the New York State School of Industrial and Labor Relations; the College of Architecture, Art,

and Planning; the College of Engineering; the College of Arts and Sciences; and the School of Hotel Administration.

Students may be admitted to certain Cornell divisions only after some previous college education. The Cornell University—New York Hospital School of Nursing requires two years of undergraduate preparation; the New York State Veterinary College requires three years of undergraduate preparation; the Law School requires a baccalaureate degree; the Graduate School of Business and Public Administration requires a baccalaureate degree except in a few specific cases; and the Graduate School, the Medical College, the Graduate School of Medical Sciences, the Graduate School of Nutrition, and the Graduate School of Aerospace Engineering all require a baccalaureate degree.

Other units are the Division of Summer Session and Extramural Courses, and the Division of Unclassified Students.

For more information, the prospective student should consult the section Choosing a College or School, beginning at p. 75.

NEW YORK STATE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

At the undergraduate level, the College of Agriculture and Life Sciences offers a flexible four-year program which leads to a Cornell University Bachelor of Science degree. The student may follow a curriculum in a specialized area suggested by his faculty adviser, or he may select, with the help of an adviser, courses within the broad requirements that will best prepare him for his personal objectives. Course selections are made from within the College of Agriculture and Life Sciences as well as from the offerings of other divisions of the University.

Specializations are available in agricultural economics, agricultural education, agricultural engineering, agricultural sciences, agronomy, animal science, biological sciences, communication arts, cooperative extension, entomology, floriculture and ornamental horticulture, food science, general agriculture, natural resources (conservation), plant breeding and biometry, plant pathology, pomology, poultry science, rural sociology, science education, and vegetable crops.

Students in the College prepare for careers in business, industry, government, education, and research, as well as in commercial agriculture. Many graduates of the College continue their studies in graduate or professional schools.

Joint programs with the College of Engineering, the Veterinary College, and the Graduate School of Business and Public Administration make it possible for academically qualified students

to obtain both a baccalaureate and a professional degree in minimum time.

At the graduate level, the various departments of the College offer advanced instruction leading to the degrees of Master of Arts, Master of Arts in Teaching, Master of Professional Studies (Agriculture), Master of Professional Studies (Communication Arts), Master of Science, Doctor of Education, and Doctor of Philosophy. Detailed information may be obtained from the Office of the Dean of the Graduate School.

Special adult programs are offered for persons seeking employment in specialized areas appropriate to the College. These are college-level programs but do not in themselves lead to a degree.

Descriptions of undergraduate and graduate courses and other information about the College may be found in the *Announcement of the College of Agriculture and Life Sciences*. Inquiries about the undergraduate program may be addressed to Director of Admissions, College of Agriculture and Life Sciences, 195 Roberts Hall, Cornell University, Ithaca, New York 14850.

COLLEGE OF ARCHITECTURE, ART, AND PLANNING

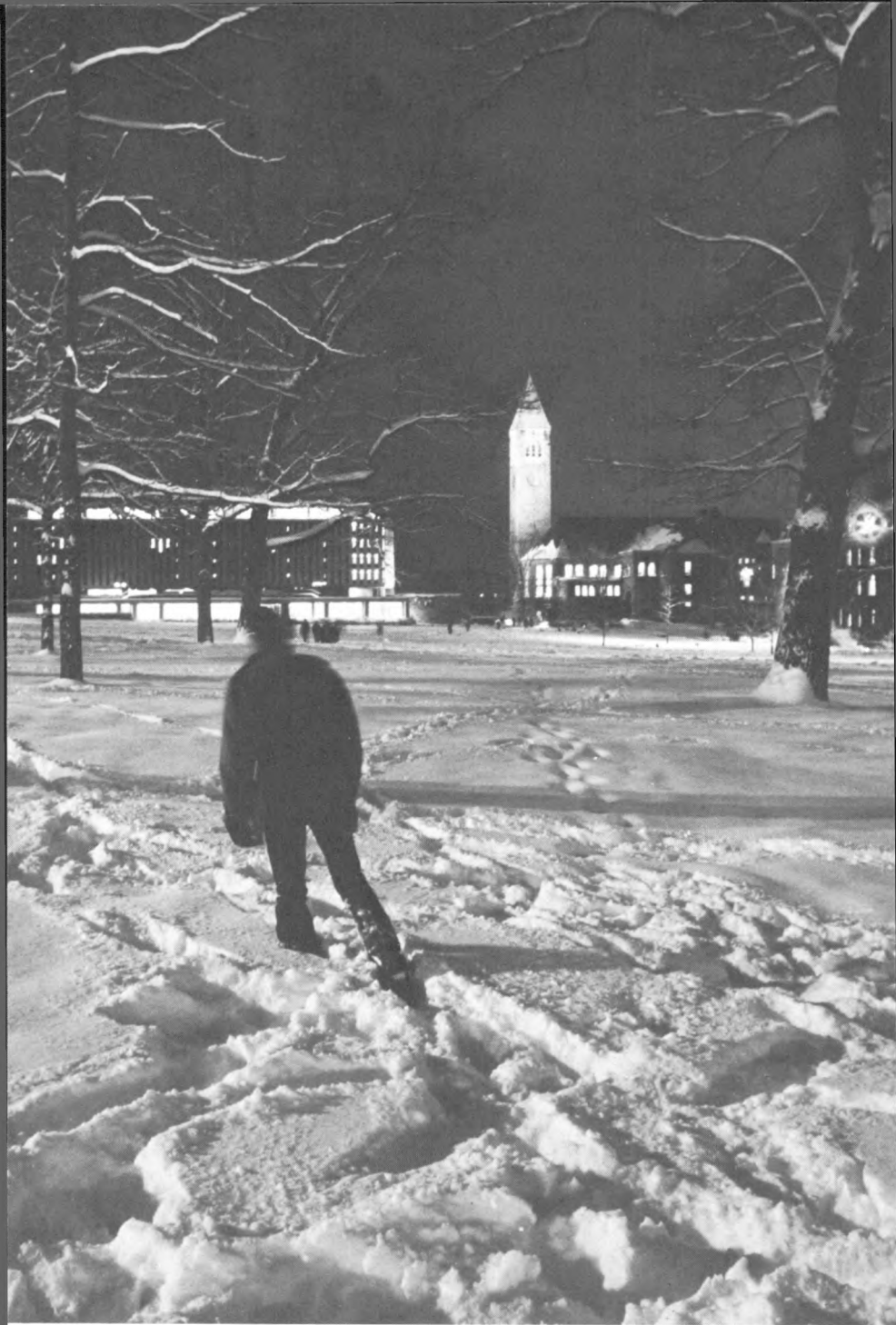
The College of Architecture, Art, and Planning offers undergraduate instruction leading to degrees in the fields of architecture, planning, and the practice of arts. At the graduate level, instruction is given in the history of architecture and urban development, architecture, urban design, architectural sciences, city and regional planning, and art.

The course of study leading to the degree of Bachelor of Architecture covers five years. It includes training in the basic skills and disciplines needed by the architect for professional competence in his field, together with courses planned to stimulate his creative imagination and to broaden his knowledge of the social and cultural values that must be reflected in contemporary architecture.

Students in the architectural program may, by special planning of their fifth-year program, be able to complete the requirements for one of the graduate programs offered in the College in less than two years.

Students in the architecture program wishing to terminate their studies with the nonprofessional degree of Bachelor of Fine Arts (in architecture) may apply for this degree to be granted upon completion of four years of the curriculum. This degree may meet the undergraduate requirements of certain graduate programs.

Students who hold professional degrees in architecture from accredited institutions and who wish to undertake graduate study



McGraw Tower, in the distance, rises above Uris Library.

in urban design may apply for admission as candidates for the degree of Master of Architecture.

Students whose undergraduate programs emphasized history of art, architecture, planning, or related subjects and who wish to undertake graduate study in the history of architecture and urban development may apply for admission as candidates for the degree of Master of Arts or Doctor of Philosophy.

Students who hold degrees in architecture or engineering from accredited institutions and who wish to undertake graduate study in architectural sciences may apply for admission as candidates for the degree of Master of Science.

Graduate work in art is offered to students who have completed their undergraduate training in painting, sculpture, or graphic arts, and who have proved their capacity to do independent, creative work. Such students may apply for admission as candidates for the two-year course of study leading to the degree of Master of Fine Arts.

Applicants to the program leading to the degree of Master of Regional Planning are expected to hold a Bachelor's degree from a recognized institution. It may be an academic or professional degree in any field of study, and no preference for the area of undergraduate study is specified. Two years of graduate study are required for the degree.

The Ph.D. degree, with a major in city or regional planning, is also offered for professionally or academically qualified students interested in teaching, advanced scholarly research, or advanced professional work in planning.

Requests for further information should be addressed to the Office of the Dean, College of Architecture, Art, and Planning, Sibley Hall, Cornell University, Ithaca, New York 14850.

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is a liberal arts college. Its students pursue the traditional aim of liberal education: man's understanding of himself and of the world in which he lives.

A four-year course of study leads to the Bachelor of Arts degree. During his undergraduate years, a student pursues at least a year's study in one of the natural sciences, in one of the social sciences or history, and in one of the humanities or one of the expressive arts. In addition, he must achieve competence in the use of the English language and lay a sound foundation in at least one foreign language. In his last two years he devotes roughly half of his study to acquiring depth and competence in his major subject or area of concentration.

Though a part of the student's course of study is required, he

still exercises a wide choice in selecting particular courses to meet the requirements and has numerous unrestricted electives. The student is expected to accept a large share of responsibility in shaping his own program of study, though every student is assigned to a faculty adviser and has recourse to other sources of advice on the campus in making the most of his educational opportunities at Cornell. (For information about acceleration and study off-campus, see the *Announcement* of the College.)

A student is offered a wide choice of fields of concentration and major study: Africana studies, anthropology, Asian studies, biological sciences, chemistry, classics, classical civilization, dance, economics, English, French, geological sciences, German, government, Greek, history, history of art, Italian, Latin, linguistics, mathematics, music, philosophy, physics, psychology, Russian, Semitic languages and literatures, social relations, sociology, Spanish, and theatre arts. Additional programs and areas of concentration include American studies, archaeology, astronomy, comparative literature, computer science, the program in Greek civilization, human affairs program, human biology, international studies, the program of Jewish studies, Latin American studies, medieval studies, population studies, the program in Roman civilization, social psychology, and urban studies. Individual programs may be constructed through the College Scholar and the Independent Majors Programs (see below and p. 13).

Though the program of studies in the College of Arts and Sciences has been constructed primarily to assure the successful achievement of a liberal education itself, it is also, according to graduate schools of law, medicine, and business administration, the best preparation for professional study.

In selecting students for admission, the College places increasing emphasis upon the quality of preparation in English, foreign languages, and mathematics. See the section Subject and Test Requirements, pp. 39-44.

Students interested in the College of Arts and Sciences should request the *Announcement* of that College. Those interested in graduate study should consult the *Announcement of the Graduate School* (see list at the end of this *Announcement*).

College Scholar Program

The College Scholar Program is designed to provide particularly able students with an educational experience that will most fully complement their interest and talents. Further information is contained in the *Announcement of the College of Arts and Sciences*.

Greek and Roman Civilization Programs

Designed for freshmen and sophomores, the Program in Greek Civilization and the Program in Roman Civilization present integrated approaches to these cultures through the various disciplines. They are equally valuable for students planning to concentrate in the sciences or in the humanities. Further information is contained in the *Announcement of the College of Arts and Sciences*.

Independent Majors Program

This Program is designed for students who wish to focus on a topic that lies between or across the boundaries of existing departments. In his second semester as a sophomore the student is given the opportunity to define and design his own major field, with the guidance and direction of appropriate members of the faculty. Further information is contained in the *Announcement of the College of Arts and Sciences*.

COLLEGE OF ENGINEERING

New career opportunities in engineering are constantly developing as man tries to respond to his contemporary and future needs. The educational programs offered by Cornell's College of Engineering are flexible and adaptable to changing needs and priorities. They are designed to provide the student with a broad educational background, as well as to prepare him for specialization in an engineering discipline, applied science, or interdisciplinary field.

The Cornell undergraduate engineering curriculum provides for a minimum of 40 percent elective courses, some in liberal studies, some in technical subjects, and some unrestricted. All students are enrolled in the Division of Basic Studies for their freshman and sophomore years and then enter a specialty field or develop an individualized, often interdisciplinary program of study.

Among well-defined majors offered by the College are Field Programs in chemical, civil and environmental, electrical and mechanical engineering; engineering physics; industrial engineering and operations research; and materials science and engineering. There is considerable opportunity for developing individualized curricula within these Field Programs, but for students whose interests or career goals are not met by one of these Programs, there is the additional option of an individually structured College Program. Students in the College Program

combine several engineering disciplines or augment their engineering education with study in such areas as the physical or social sciences, biology, computer science, architecture, city and regional planning, and ecology and conservation.

Special programs available to engineering students include the Engineering Cooperative Program, which provides for periods of employment in industry during the undergraduate years without delaying graduation. Each co-op student gains valuable work experience with one of about twenty participating companies. Another special program provides financial aid and counseling services for minority-group students. A plan to facilitate the entry of transfer students from two-year colleges was initiated recently.

After receipt of the Bachelor of Science degree, a student may consider the College's one-year program leading to the professional degree of Master of Engineering (with field designation) or the Cornell Master of Science/Doctor of Philosophy degree program. The former is oriented to those who want to practice in an engineering field, the latter to those who want to pursue an academic or research career. Of course, many graduates of the College of Engineering continue their formal education in medicine, law, business administration, or other areas outside engineering.

Students interested in the College of Engineering may request the publication *Engineering at Cornell*. Detailed descriptions of undergraduate and graduate courses and programs may be found in the *Announcement of the College of Engineering* and the *Announcement of Graduate Study in Engineering and Applied Science*.

SCHOOL OF HOTEL ADMINISTRATION

The special program in hotel and restaurant administration gives thorough professional training for careers in the hotel, restaurant, hospital, and related fields. The curriculum is designed to fit students for positions of executive responsibility.

Besides courses in the humanities, the program of study includes general and specialized accounting involving computer application, business administration, financial management, food science and food service management, functional design, human resources development, marketing, and property administration as these subjects relate to worldwide developments in food, lodging, and travel.

The program is technical in that it requires a concentration of effort in scientific courses necessary for an adequate background in a field where a core of basic information must be mastered. Yet

it is sufficiently broad to allow for optional courses that are of value to those who look forward to positions of top executive responsibility.

The course of study covers four academic years and leads to the Bachelor of Science degree.

Students receive practical training through the operation of Statler Inn, a practice hotel on the University campus, which includes rooms for transient guests, banquet facilities, service restaurants, and cafeterias. A newly instituted program also provides for management internship in selected organizations away from the campus under the supervision of a School director.

Requests for further information should be addressed to the Director of Admissions, School of Hotel Administration, Statler Hall, Cornell University, Ithaca, New York 14850.

NEW YORK STATE COLLEGE OF HUMAN ECOLOGY

The undergraduate program of the College of Human Ecology provides basic course work in subjects that relate man to his near environment. Today more than ever there is a pressing need for professionals with solid college training to formulate solutions to human problems. The aim of the College is twofold: to offer, through the facilities of the College and University, a liberal education in the social and natural sciences, the humanities, and the arts; and to provide specialized instruction based upon these disciplines. The College prepares graduates for professional careers in which the interests and well-being of the individual, the consumer, and the family are paramount. Because the educational program emphasizes both breadth of knowledge and its application to the solution of human problems, it offers professional or preprofessional training for an increasing variety of positions in addition to the traditional home economics professions.

Four years of academic work lead to the Bachelor of Science degree. Requirements for the degree include study in the humanities and the biological, physical, and social sciences inside and outside the College. Electives may be taken in the College and elsewhere in the University.

The program of liberal studies emphasizes those subjects which best help man to understand himself and his environment. It provides the basic knowledge required for successful professional work in a society that is changing both technologically and sociologically. The specialized studies relate general knowledge to an understanding of the needs of people with regard to food, shelter, clothing, management of resources, and interpersonal and family relationships.

Departments in the College include Community Service Educa-

tion, Consumer Economics and Public Policy, Design and Environmental Analysis, Human Development and Family Studies, and Human Nutrition and Food.

Graduate study in the College, offered in all departments, leads to either the Master's or the Doctor's degree. Candidates must qualify for admission to the Graduate School.

Professional opportunities are many and varied. Graduates of the College are employed in social casework and group work, and in the study of budgets and standards that help social agencies function; in hospital dietetics and nutrition education; in business, as professionals in consumer education and services, and in the design, promotion, and testing of such items as foods, textiles, household and institutional equipment, and furnishings; in teaching at preschool, secondary, and college levels, and in cooperative extension; in research programs; and in writing, radio, and television positions.

Descriptions of undergraduate and graduate courses may be found in the *Announcement of the College of Human Ecology*.

Inquiries about the undergraduate program may be addressed to the Committee on Admissions, Martha Van Rensselaer Hall, College of Human Ecology, Cornell University, Ithaca, New York 14850. Requests for information about graduate study may be addressed to the Associate Dean for Graduate Education and Research at the same address.

NEW YORK STATE SCHOOL OF INDUSTRIAL AND LABOR RELATIONS

The School of Industrial and Labor Relations offers professional study in its field for both graduate and undergraduate students. The curriculum is designed to prepare young men and women for careers in personnel and union-management relations work with business and industry, labor unions, and both state and federal governments. It also offers preparation for postbaccalaureate study in the fields of law, education, business, psychology, sociology, economics, history, political science, international affairs, and numerous interdisciplinary graduate degree programs concerned with contemporary social, economic, urban, and political problems, domestic and foreign. Undergraduates pursue a curriculum leading to the Bachelor of Science degree, and graduate study leads either to the Master's or to the Doctor's degree.

Aimed at developing an understanding of urban industrial society, the curriculum provides a broad base in the social sciences, a core of course work in industrial and labor relations sub-

jects, and a complement of general electives in the humanities. The freshman and sophomore years consist mainly of required courses, offered by the School, the College of Arts and Sciences, and the College of Human Ecology. Upperclassmen are free to pursue elective studies, about evenly divided between courses offered by the School and by other divisions of the University.

Undergraduates wishing to prepare for graduate work in one of the basic social sciences may use out-of-college electives to establish an informal minor in economics, government, history, psychology, or sociology. Choice of advanced Industrial and Labor Relations electives will reflect the individual student's interests in the offerings of the following departments in the School: Organizational Behavior; Labor Economics and Income Security; Collective Bargaining, Labor Law, and Labor Movements; Economic and Social Statistics; International and Comparative Labor Relations; and Manpower Studies.

Requests for further information should be addressed to the Director, Office of Resident Instruction, School of Industrial and Labor Relations, 101 Ives Hall, Cornell University, Ithaca, New York 14850.

CORNELL UNIVERSITY-NEW YORK HOSPITAL SCHOOL OF NURSING

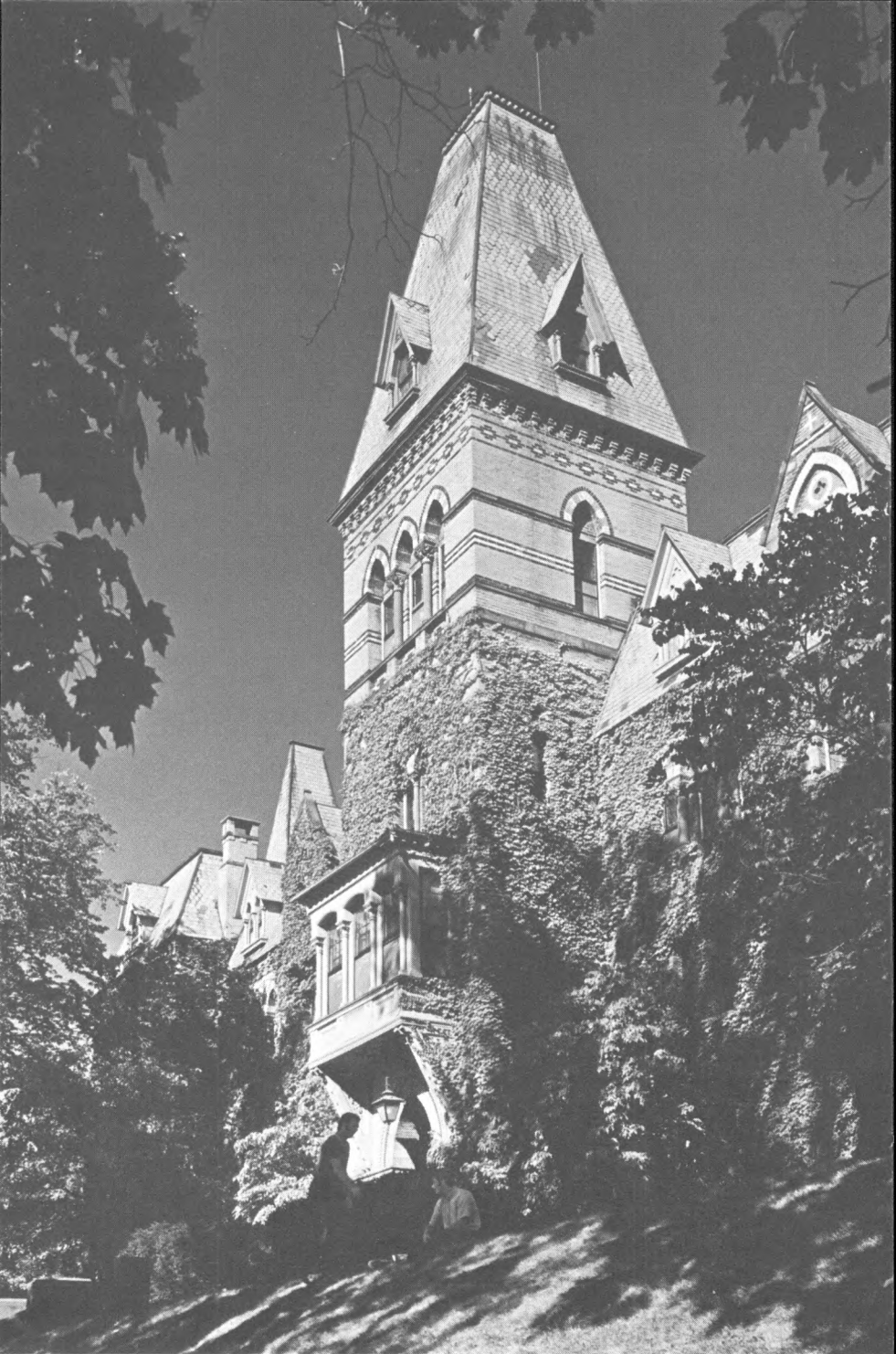
Two nursing programs, each consisting of four semesters of full-time study, are offered at the School of Nursing in New York City. The School is a unit within the complex of the New York Hospital-Cornell Medical Center.

One program is open to students who have satisfactorily completed sixty semester hours (two years) of general courses. These first two years may be taken at Cornell University in Ithaca in the College of Arts and Sciences, the College of Human Ecology, or the College of Agriculture and Life Sciences, or at any regionally accredited university, college, or junior college.

Another program is open to those persons who have a baccalaureate degree in another discipline and wish to seek a professional education.

Both programs offer preparation for professional nursing and lead to the degree of Bachelor of Science in Nursing. Opportunities are open to graduates in a wide variety of health services at home and abroad.

Requests for further information should be addressed to the Registrar, Cornell University-New York Hospital School of Nursing, 1320 York Avenue, New York, New York 10021.



Sage Graduate Center. It is both a residence hall and the Graduate School headquarters.

GRADUATE SCHOOL

The Graduate School offers facilities for advanced study and research to mature students who wish to receive advanced professional training and to become scholars in the broad sense of the term.

Graduate study is necessarily a highly individual process. The transmission of scholarly enthusiasm and independence from one generation of scholars to another is not assured by a system of regulations and requirements. The faculty regards a person-to-person relationship between the student and his Special Committee or adviser as the best way for the student to reach scholarly maturity. In consequence, the faculty makes no specific requirements for the advanced *general degrees* of Master of Arts, Master of Science, and Doctor of Philosophy, but makes only such general requirements as govern the relationships which, in its considered judgment, best accomplish the aim of graduate study: a period of study in residence, the mastery of some one subject, adequate acquaintance with allied subjects, presentation of a satisfactory thesis, and oral examinations. The Graduate School faculty, as a unit, exercises sole jurisdiction over these advanced general degrees.

To be admitted to the Graduate School an applicant must (1) hold a baccalaureate degree from a college or university of recognized standing or have had work equivalent to that required for such a degree; (2) show promise, as judged by his previous record, of ability to pursue advanced study and research satisfactorily (class standing in the top third is considered minimal); and (3) have had adequate preparation for graduate study in his chosen field. Despite very good academic records, however, some applicants may be refused admission because of the limited staff and facilities in some fields in relation to the number of well-qualified applicants.

Information concerning qualifications for admission and the courses of study for professional degrees may be obtained from the several Cornell colleges that administer them. Students who may wish to use the facilities of the University for intensive specialized training but who are not interested in advanced degrees may be admitted as noncandidates under the general supervision of the Graduate School.

Inquiries about admission and fellowships should be addressed to the Dean of the Graduate School, Sage Graduate Center, Cornell University, Ithaca, New York 14850. Applications for the fall term which request financial support must be received before February 1.

Inquiries regarding facilities for advanced study and research

in a given Field, special requirements for such study and research, and opportunities for part-time employment in teaching and research may be addressed to a member of the faculty in the particular Field or to the dean.

For further information see the *Announcement of the Graduate School* as listed at the end of this *Announcement*.

GRADUATE SCHOOL OF AEROSPACE ENGINEERING

The primary objective of the Graduate School of Aerospace Engineering is to educate engineering and science graduates in the research and technical aspects of this field. Emphasis is placed on basic aerospace sciences rather than on present-day techniques.

The School offers a one-year professional Master of Engineering (Aerospace) degree program. Candidates who do not already hold a Master's degree are encouraged to matriculate in this program. Specialized study is offered in five areas: fluid mechanics, high-temperature gasdynamics, plasmadynamics, space mechanics, and aerospace structures.

A program leading to the general degree of Master of Science or Doctor of Philosophy requires original thesis research in addition to course work. Current research activities include studies of the dynamics of fluids, including applications to plasmas from ferromagnetic fluids; the design of space vehicles and propulsion systems; sonic boom and aerodynamic noise; chemical lasers; geological fluid flows; and antipollution devices.

Applicants must hold a baccalaureate degree or the equivalent in any branch of engineering, mathematics, or the physical sciences.

Both the professional and general degree programs are described more fully in the *Announcement of the College of Engineering*. Requests for additional information should be addressed to the Director, Graduate School of Aerospace Engineering, Grumman Hall, Cornell University, Ithaca, New York 14850.

GRADUATE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

The objective of the Graduate School of Business and Public Administration is to prepare men and women, through interdisciplinary studies at the graduate level, for administrative careers in private business, public service, and health care. Accordingly, the School offers work in many disciplines to provide the potential business, public, or health administrator with an understanding of the complexities of the external environment in which he will operate and of the internal workings of the organization of which

he will become a part. Although the knowledge and analytical ability that a successful manager must possess will be developed in part from the constant challenge and stimulation of experience, education in business, public, or health administration can establish a sound basis for acquiring such knowledge and analytical ability and can accelerate understanding of the administrative environment.

Except as outlined in the *Announcement* of the School, a Bachelor's degree or its equivalent is required for admission to the two-year program leading to the Master of Business Administration, Master of Public Administration, or Master of Professional Studies (Hospital and Health Services Administration) degree. Generally, about two-thirds of the students have a background of undergraduate studies in arts or sciences, and about one-quarter have studied engineering.

After completing the basic program, the M.B.A. candidate may elect a program of concentration in industrial accounting, professional accounting, finance, international business operations, managerial economics, marketing, personnel management, production and operations management, quantitative analysis for managerial decision making, or transportation. The M.P.A. candidate may elect a concentration in economic analysis and public policy, general public administration and policy formulation, international development and foreign operations, metropolitan and urban studies, or organizational theory and behavior. The M.P.S. (HHS) candidate may elect a concentration in comprehensive health planning, medical care administration, hospital administration, or mental health administration. Also, a student in the health program may choose to elect either the M.B.A. or M.P.A. degree, in which case he must fulfill additional requirements beyond those required for the health degree.

Special programs, including combinations of work in the areas listed above and study at the graduate level in other divisions of the University, are also available. The content of the individual student's program is determined by him in consultation with his adviser.

Through a combined program in administration and law, organized by this School and the Cornell Law School, a student may obtain the M.B.A. or M.P.A. degree and the J.D. degree in four years.

The Doctor of Philosophy program provides an advanced and comprehensive education in administration, primarily for those who seek careers in teaching or research. Applicants must meet the entrance requirements of the Graduate School.

The School publishes the *Administrative Science Quarterly*, a scholarly journal concerned with advancing the basic under-

standing of administration through empirical investigation and theoretical analysis. It also publishes books and monographs on various aspects of administration and policy.

Through its Executive Development Program, the School offers an intensive six-week course of study designed for executives in business firms and governmental agencies. Development programs are also offered for hospital administrators and agribusiness executives.

Malott Hall (1964), which houses the School, was designed to meet the specialized requirements of graduate education in administration.

Requests for further information should be addressed to the Director of Admissions and Student Affairs, Graduate School of Business and Public Administration, Malott Hall, Cornell University, Ithaca, New York 14850.

LAW SCHOOL

The primary function of the Law School is to prepare attorneys for both public and private practice who are equipped to render skillful professional service and who are thoroughly conscious of the important role played by the law as a means of social control. The curriculum is designed to prepare students for admission to the bar in all American states and territories.

A student who is admitted to the Law School must have a Bachelor's degree from an approved college or university. The course of study leading to the degree of Doctor of Law (J.D.) covers three academic years. A limited number of students will be admitted to a program of study leading to the degree of Doctor of Law (J.D.) with specialization in international affairs.

The Law School and the Graduate School of Business and Public Administration have developed a program for combining a law school education with training in either business or public administration, according to a student's election, leading to the completion of work in the two fields and the award of two degrees in four rather than five years. Applicants for admission to this combined program must make a separate application to each school and be approved by both.

Graduate study leading to the degrees of Master of Laws and Doctor of the Science of Law is conducted in the Graduate School under the direction of the Law School. Candidacy for the degree of Master of Laws is open to those who have earned the first professional degree in law and who have decided upon a specialty. Work leading to the degree of Doctor of the Science of Law is planned mainly for those who wish to teach law.

Requests for further information should be addressed to the

Director of Admissions, Cornell Law School, Myron Taylor Hall, Cornell University, Ithaca, New York 14850.

MEDICAL COLLEGE

Cornell University Medical College is located at the center of a large complex of medical institutions involved in teaching, research, and treatment on the east side of Manhattan in New York City.

The Medical College offers a four-year course of graduate instruction leading to the degree of Doctor of Medicine and qualifying graduates for licensing examinations in all states and territories of the United States. Applicants for admission to the Medical College must be graduates of approved universities, colleges, or scientific schools. The first two years primarily are devoted to study of the basic sciences of anatomy, microbiology, pathology, physiology, biochemistry, public health, and pharmacology, but a number of hours are reserved for the clinical sciences (approximately 20 percent of total time) and electives (10 percent of total time). In addition, there are a number of interdisciplinary and interdepartmental conferences. The last two years concentrate on training in the clinical sciences of internal medicine, neurology, surgery, pediatrics, psychiatry, and obstetrics and gynecology. There is also a large elective program in the fourth year.

Cornell University Medical College is a partner in The New York Hospital-Cornell Medical Center. In its teaching programs the Medical College is affiliated with and uses the clinical facilities of The New York Hospital; Memorial Sloan-Kettering Cancer Center; Manhattan Eye, Ear and Throat Hospital; the Hospital for Special Surgery; and the North Shore Hospital. Requests for information should be addressed to the Chairman, Admissions Committee, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

GRADUATE SCHOOL OF MEDICAL SCIENCES

The Graduate School of Medical Sciences offers programs leading to the degree of Doctor of Philosophy in the Fields of Biochemistry, Biological Structure and Cell Biology, Biology, Biomathematics, Biophysics, Genetics, Microbiology, Neurobiology and Behavior, Pathology, Pharmacology, and Physiology. The School also offers programs leading to the Master of Science degree in some of these Fields. The faculty of the School is drawn from the basic science departments of Cornell University Medical College and from the units of its Sloan-Kettering Division. The research facilities of the Medical College and of the Sloan-Kettering Institute for Cancer Research are utilized in the graduate pro-

grams of the School. Requests for information should be addressed to Graduate School of Medical Sciences, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

GRADUATE SCHOOL OF NUTRITION

The Graduate School of Nutrition offers graduate programs in the biological and social science aspects of nutrition. The Master of Nutritional Science (M.N.S.) degree program gives a firm foundation in the sciences basic to nutritional science. In addition to the basic program each student takes appropriate courses and conducts research in his chosen area of specialization. One of the following specializations may be selected: nutritional biochemistry; experimental animal nutrition; or human nutrition, which includes international nutrition, public health nutrition, and clinical nutrition. The program, which is usually completed in two years, including one summer, is designed to meet the student's particular needs according to his educational background, graduate specialization, and professional goals after graduation. Special instruction is available to students whose previous academic training has not been in the area of nutrition.

The broad background obtained in the M.N.S. degree program is excellent for students wishing to continue in a doctoral program in nutrition (human or animal), or a related area such as biochemistry, physiology, or sociology. Numerous students have found the M.N.S. degree program particularly helpful in selecting an area of study leading to the more advanced degree and have used the School's program as a stepping-stone when their future ambitions have not yet been established.

Applicants for admission to the School must hold a baccalaureate degree from a college or university of recognized standing.

Requests for further information should be addressed to the Secretary, Graduate School of Nutrition, Savage Hall, Cornell University, Ithaca, New York 14850.

NEW YORK STATE VETERINARY COLLEGE

The Veterinary College curriculum, which requires four academic years, provides a biological background in the science and art of veterinary medicine. Training includes instruction in normal and abnormal structure and function of the animal body; in diagnosis, prevention, and treatment of animal diseases; and in matters that pertain to public health. Upon completion of the prescribed course of study, the degree of Doctor of Veterinary Medicine is awarded. This degree is recognized by the licensing boards of all states and territories of the United States and by similar agencies in foreign countries. Graduates may enter private practice, sal-

aried work with state or federal agencies and private corporations, or research and teaching in a variety of institutions.

Requirements for admission to the College include three years of college work with credits in several specified subjects and satisfaction of an animal practice requirement. Selection is based on scholastic ability and vocational motivation. Since the College is state-supported, preference is given to New York State residents. Applications for admission are due by December 15.

Requests for further information about professional study for the Doctor of Veterinary Medicine degree should be addressed to the Director of Student Administration, New York State Veterinary College, Ithaca, New York 14850.

Work at the graduate level leading to the degrees of Master of Science, Doctor of Science in Veterinary Medicine, and Doctor of Philosophy is offered in accordance with the regulations of the Graduate School. Detailed information may be obtained by writing to the Dean of the Graduate School, Sage Graduate Center, Cornell University, Ithaca, New York 14850.

DIVISION OF SUMMER SESSION AND EXTRAMURAL COURSES

Under the auspices of the Division of Summer Session and Extramural Courses, the University offers a wide variety of credit and noncredit courses during the summer for graduate, undergraduate, and nondegree students, and for high school graduates accepted for admission by an accredited college. The Division also provides an opportunity for employed persons to take part-time study during the regular school year. In this way an individual may gain credit toward an academic degree, may take work necessary for job advancement, or may pursue cultural and avocational interests.

SUMMER SESSION. The Summer Session of Cornell University is planned with the cooperation of the faculties of the separate schools and colleges. It involves a wide spectrum of courses and includes programs which especially lend themselves to the concentrated study period and the summer environment. The regular Cornell standards of instruction and academic performance are maintained.

A balanced program of study and recreational activities is available to college-bound secondary school seniors, undergraduates, graduate degree candidates, and persons interested in continuing education for personal or professional improvement. A varied selection of courses is offered by the Summer Session to those



Noyes Center is one of the three University unions on campus.

persons for whom the summer period is especially convenient for study.

Classes in the summer provide the particular advantage of optimum size for close association between student and instructor. The median class size in past summers has ranged from twelve to fifteen students.

All necessary facilities of the University are available to students registered in the Summer Session: libraries, classrooms, and laboratories; residence halls, dining rooms, and cafeterias; health services and medical care; counseling services; student unions, chapel, playing fields, and a variety of recreational areas.

EXTRAMURAL COURSES. Through extramural registration, the University seeks to serve employed persons whose available time does not permit full-time study. Individuals are admitted to courses on the basis of their qualifications to do the work required in each specific course. Normally, an individual is not permitted to register for more than seven credit hours in a single term. The Division of Extramural Courses offers the opportunity to take credit in two different ways: (a) by registering in courses in off-campus centers located to suit the convenience of a sufficient number of extramural students to warrant the offerings; and (b) by registering in the same on-campus courses that are scheduled for the regular full-time student. All such courses carry the same credit as for the full-time student.

Requests for additional information about either the Summer Session or extramural courses should be addressed to the Dean, Division of Summer Session and Extramural Courses, B-20 Ives Hall, Cornell University, Ithaca, New York 14850.

DIVISION OF UNCLASSIFIED STUDENTS

The Division of Unclassified Students is designed to assist the potentially able student whose basic interests and aptitudes lie outside the course in which he originally enrolled. Any student who has been in residence as a candidate for a degree in any of the colleges or schools of the University may apply for admission. Only the student who has a reasonable prospect of achieving his new goal is accepted.

The Division accepts applications for either semester. The student who feels that he is misplaced or is uncertain of his objective should consult the Director early in his college career.

Application should be made at the office of the Division of Unclassified Students, 158 Olin Hall, before August 1 for the fall term and before January 1 for the spring term. In addition, the

student must notify the Office of the Registrar of his desire to transfer.

All students admitted remain under the direct supervision of the dean who serves as their faculty adviser. An unclassified student may elect courses for which he is qualified in any division of the University, subject to the usual limitations on enrollment.

A student registered in the Division may apply for admission to any undergraduate college or school of the University.

Registration in the Division is on a semester basis. One semester is usually a sufficient period in which to determine a student's fitness for the newly chosen course. A second term of registration may be permitted in a few instances in which definite progress has been made and when more time is necessary to meet basic requirements for transfer. If at the end of two terms the student has not been accepted by another school or college on the campus, he may not reregister in the Division of Unclassified Students.

The Administrative Committee of the Division has the same authority with respect to its students as have the corresponding committees in the other divisions of the University. Students in the Division are regular students in the University; they may participate in extracurricular activities and enjoy all the usual rights and privileges of other students.

AFRICANA STUDIES AND RESEARCH CENTER

Among the basic commitments of the Africana Studies and Research Center at Cornell is the determination to foster a new understanding of the past, present, and future condition of peoples of African descent. Seen as a community of scholars whose numbers include both teachers and students, the Center places strong emphasis on research and effective and innovative teaching in terms of structure, use, method, and content.

The undergraduate major in Africana studies is designed to give students the foundation to become teachers and research scholars as well as professional technicians. The program is geared toward relieving the shortage of persons whose education and training equip them to attack the problems of the African peoples. Thus one goal of the Program is the production of thoroughly prepared and committed professionals who will deal with such problems as a lifetime career. The major in Africana studies requires fifty-six credits of course work within the Center and in related subjects in other areas of the University, out of a total of one hundred and twenty credits required for graduation. Work offered within the Center includes a broad grounding in African heritage, African behavior, African expression and language, and African political thought.

A Master's degree program offering a Master of Professional Studies (African and African-American) has been established at the Center. The purpose of the Program is to prepare students for professional careers that are relevant to the learning and leadership needs of the African-American community. Under the Program, it is envisioned that the knowledge and methodology of various fields and disciplines will be brought to bear upon the history, present state, and dynamics of Black peoples and cultures in Africa, the Americas, and the Caribbean.

Requests for additional information about the Center and its programs should be addressed to the Office of the Director, Africana Studies and Research Center, Cornell University, 310 Trip-hammer Road, Ithaca, New York 14850.

PROGRAM ON SCIENCE, TECHNOLOGY, AND SOCIETY

The purpose of the interdisciplinary Program on Science, Technology, and Society is to stimulate and support teaching and research on the interaction of science and technology with contemporary society. The Program has initiated a number of research and teaching efforts and also plays a role in providing coherence and support for related activities already under way at the University.

The topics of concern to the Program are illustrated by the following examples: science, technology, and national defense; technology assessment; world population and food resources; legal and moral implications of modern biology and medicine; national policy for the development of science; sociology of science and technology; and the ecological impact of developing technology.

The mechanisms for studying these problems vary and include courses, seminars, short workshops, and summer studies, as well as individual research programs. The Program welcomes the participation of students and faculty from all colleges and schools of the University. A few graduate research assistantships are available and may be applied for by any student with an appropriate thesis research program. Information on these and a list of relevant courses in all parts of the University may be obtained from the Program office, 628 Clark Hall (telephone 607/256-3810).

OFFICER EDUCATION

As a land-grant institution chartered under the Morrill Act of 1862, Cornell has offered instruction in military science for more than one hundred years. Instruction is provided by the Depart-

ment of Military Science (Army ROTC programs), the Department of Naval Science (Naval ROTC programs), and the Department of Aerospace Studies (Air Force ROTC programs).

A student has the opportunity, through these programs, to earn a commission while he is completing his education, thus enabling him to fulfill his military commitment as an officer and become qualified for a career in the service of his choice. To obtain a commission in one of the armed services, a student must meet certain physical standards and must complete the required course of study in either a four-year or a two-year ROTC program. Upon graduation he receives a commission and serves a required tour of active military service.

Participation in ROTC is voluntary. It is advisable for interested students to enroll in the fall of the freshman year since openings in the two-year programs may be restricted, depending on conditions at a particular time.

Further information is given in the *Announcement of Officer Education*, which may be obtained by writing to Cornell University Announcements, Day Hall, Ithaca, New York 14850.

ADMISSION TO CORNELL

The first step toward entering an undergraduate college or school is to write to the University Office of Admissions, 247 Day Hall, for an application form. (Students interested in the Veterinary College should also write to the above address.) Correspondence regarding entrance to the Graduate School, the Law School, the Medical College, the School of Nursing, the Graduate School of Nutrition, the Graduate School of Business and Public Administration, and the Graduate School of Aerospace Engineering should be addressed to the heads of those divisions.

GENERAL ADMISSION POLICY

Of Cornell University's sixteen colleges and schools, seven offer instruction at the undergraduate level. They are: Agriculture and Life Sciences; Architecture, Art, and Planning; Arts and Sciences; Engineering; Hotel Administration; Human Ecology; and Industrial and Labor Relations. Each of these divisions is limited in the number of students it can accommodate. The number of applicants with minimum qualifications exceeds the number that can be admitted, and that creates a highly competitive situation among candidates. Selected each year are those who, in competition with others seeking admission at the same time, have best demonstrated by their superior qualifications that

they deserve acceptance. It should be clearly understood that each candidate may apply to only one division at one time and competes only with those seeking entrance to that division of the University. The professional divisions in particular must restrict their selections to those who, having met all other qualifications, appear well fitted for the particular field of work to which the course of study is directed.

Transfer from one division to another after enrollment may be difficult for two reasons: (1) different divisions have different admission requirements, and a student acceptable to one is not necessarily acceptable to another; and (2) students who transfer from a state unit to an endowed unit must pay back the difference in tuition for the credits transferred (see p. 72). Transfer into the College of Arts and Sciences may not be accomplished until one year after matriculation. The selection of the proper division is therefore most important. A candidate should make his choice only after careful thought, investigation, and consultation with those familiar with his abilities and interests. Secondary school advisers should definitely be consulted. The Cornell Office of Admissions, also, is always ready to help prospective applicants.

It is the policy of Cornell University actively to support the American ideal of equality of opportunity for all, and no student shall be denied admission or be otherwise discriminated against because of race, color, creed, religion, or national origin.

Scholarship

As an educational institution, Cornell University is devoted primarily to the intellectual development of its student body. Those selected for admission must have demonstrated, without question, through their previous schooling, the intellectual capacity to carry the classroom work and to profit from the instruction offered in the division of the University to which application is made. Intellectual preparedness for study at Cornell is judged by the candidate's secondary school record, the recommendations of school authorities, and standardized college admissions tests.

Extracurricular Activities

To supplement but not replace the basic requirement of demonstrated intellectual capability, evidence of the candidate's ability to make effective use of his free time is an important consideration in admissions decisions. This factor is judged by the character and quality of the student's participation in the extracurricular activities associated with his school and his community, and by the use he has made of summer vacations. Work experience which is

related to the candidate's educational objective is particularly valuable.

Character, Personality, and Motivation

The intangible but important factors which form good character and an effective personality all receive full consideration by the selection committee. Evidence of a sound motivation for attaining higher education in general and for pursuing a specific field of education is also desirable. Capacity for leadership and concern for others receive due weight. Those factors are usually judged by the report from the applicant's secondary school and by interview reports, when available. Some University divisions require interviews, whereas in others the need for an interview is left up to the applicant. Interviews are also conducted by alumni secondary school committees operating in many sections of the country; such contacts are often helpful in providing the candidate with additional information about Cornell.

Geographical Distribution

Cornell University draws its students from all parts of the United States and about ninety foreign countries. The University is proud of the cosmopolitan and democratic makeup of its student body. It believes in the educational values inherent in bringing to the campus persons of widely different backgrounds and directs its admissions policies to the furtherance of these objectives.

The New York State-supported divisions—the College of Agriculture and Life Sciences, the College of Human Ecology, the School of Industrial and Labor Relations, and the Veterinary College—recognize these same values within their student bodies and encourage applications from well qualified out-of-state students. The bulk of their candidates are, however, selected from among applicants resident in New York State.

The endowed divisions—the Colleges of Arts and Sciences; Architecture, Art, and Planning; Engineering; and the School of Hotel Administration—impose no restrictions as to residence. In choosing from among candidates of approximately equal qualifications, some preference may be given to those whose homes are in areas not adequately represented in the student body.

Children of Alumni

The University desires to include in the student body the children of its alumni who are qualified for admission. In choosing between candidates of approximately equal qualifications, including scholarship, extracurricular activities, character, personality,

and motivation, the son or daughter of an alumnus may receive preference.

Committee on Special Educational Projects

Under the program of the Committee on Special Educational Projects (COSEP), consideration is given to the particular problems of minority-group students who otherwise might not be able to attend a college such as Cornell. Since COSEP was organized, hundreds of minority-group applicants, mostly blacks, have been admitted to the University under the program. In addition to arranging financial aid for all students enrolled in the program, COSEP provides full-time counseling on matters ranging from the academic and social to the purely personal.

Additional information about COSEP may be obtained by writing to COSEP Program, Barnes Hall, Cornell University, Ithaca, New York 14850. Inquiries concerning admission to Cornell under the COSEP program should be sent to the Office of Admissions, 247 Day Hall, Cornell University, Ithaca, New York 14850.

ADMISSION PROCEDURE FOR FRESHMAN APPLICANTS

Admission and Financial Aid Applications

The Cornell admission application, consisting of form 1 and form 2, furnishes the University with a wide variety of information concerning the candidate, including his academic record and achievements, family background, work experience, and activities. Following submission of his application (form 1), the candidate receives from the University form 2 of the application and the Secondary School Report. The Secondary School Report, relating to the candidate's intellectual ability, character, and academic record, should be given to the proper school authorities for completion. It will then be submitted directly to Cornell by the school.

An application for those who wish to apply for financial aid is attached to form 1 and must be submitted with form 1 by the application due date.

Cornell does not require teacher recommendations for freshman candidates and does not include in the application packet forms for this purpose.

General Requirements

A candidate for admission as freshman must satisfactorily complete secondary school subjects carrying a value of at least sixteen



The North Campus Union dining hall. This building also contains other services and recreational facilities.

entrance units. The subjects in which these units may be offered, the number of units that may be credited in each subject, and the units required in specific subjects by the several divisions of the University are listed in detail on pp. 39-44. Those pages should be carefully studied by every prospective student.

To enter Cornell, a student must be at least sixteen years old and have a satisfactory knowledge of the subjects required for admission. That knowledge may be demonstrated in two ways: (1) by presenting an acceptable school record; and (2) by presenting acceptable ratings in tests given by the College Entrance Examination Board or the American College Testing Program as specified in consultation with the Cornell Office of Admissions.

Application Due Dates

Applications for admission (form 1) and financial aid in September 1973 must be submitted by the following dates:

January 15

Agriculture and Life Sciences
Architecture, Art, and Planning
Arts and Sciences
Human Ecology
Industrial and Labor Relations

February 1

Hotel Administration

February 15

Engineering

Form 2 of the application should be returned to the Office of Admissions within two or three weeks after its receipt.

Assembling complete records for all candidates takes considerable time, and the careful review of applications is a long, detailed process. The application due dates have been set to provide adequate time to process and review applications. It is to the candidate's advantage to promptly return all application materials. (See also the section Financial Aid, pp. 49-50.)

Early Decision

The College of Agriculture and Life Sciences, the College of Arts and Sciences, the College of Engineering, and the School of Hotel Administration offer an Early Decision Plan to a limited number of highly qualified high school seniors. The Plan is open to both men and women. Students interested in the Plan submit the Application for Admission-Form 1 and Early Decision Request Form part I (to be completed by candidate) and part II (to be completed by counselor), by November 1 of the senior year.

Candidates are notified of the University's decision, including financial aid, by the middle of December. Only those students, whose choice of college is clearly Cornell and whose past academic performance, scores on the Scholastic Aptitude Test of the College Entrance Examination Board (taken no later than November of the senior year) or the American College Testing Program Examination (taken no later than October of the senior year), or whose personal qualities, and school recommendations are all superior, are likely to qualify for favorable consideration. All qualified candidates should write to the University Office of Admissions for additional information about this program.

Early Admission

Each year a few students request consideration for admission after only three years of secondary school. Some of these students receive a high school diploma by completing all requirements in three years; others leave school lacking one or a few credits. Admissions Committees will give serious consideration to those applicants who have exhausted the offerings of their secondary schools and who, in addition, give a clear indication of a level of maturity sufficient to make early college entrance desirable and appropriate. Those students who have the opportunity to take advanced, accelerated, or college-level courses during their fourth year in secondary school are usually encouraged to do so unless this action would inhibit the development of some academic strength.

Since there is variation from one Cornell division to another regarding early admission, a student applying for this is encouraged to write to the college of his choice at Cornell or to make an appointment for an on-campus interview to discuss his plans and reasons for entering early.

Interviews

Admissions interviews are *required* by three divisions of the University—the College of Architecture, Art, and Planning; the School of Hotel Administration; and the School of Industrial and Labor Relations. Students should consult the *Announcements* of these divisions *before* requesting admissions interviews.

Interviews for the College of Agriculture and Life Sciences may be scheduled Monday through Friday from 10:00 a.m. to 12:00 noon and 2:00 p.m. to 4:00 p.m. On-campus interviews cannot be scheduled from January 15 through April 15. Saturday interviews are not available.

The College of Arts and Sciences offers two alternatives for meeting with representatives of the College. On Saturdays from

9:30 a.m. to 10:30 a.m., except during July and August, an Admissions Seminar is held to accommodate everyone who wishes to visit the campus on weekends. Personal conferences may be scheduled on Monday through Friday from 10:00 a.m. to 12:00 noon and 2:00 p.m. to 4:00 p.m. The Admissions Seminar and personal conferences are not available from January 15 through April 1. Students may write to the Office of Admissions, 247 Day Hall, for the leaflet entitled *College of Arts and Sciences Interviewing Procedures* which explains the seminar and the personal conference.

The College of Engineering urges students to visit the campus for an interview if possible. Students interested in the College may request interviews weekdays from 10:00 a.m. to 12:00 noon and 2:00 p.m. to 4:00 p.m. on a year-round basis (except holidays). Saturday interviews are available from 9:00 a.m. to 12:00 noon except during July and August when there are no Saturday interviews.

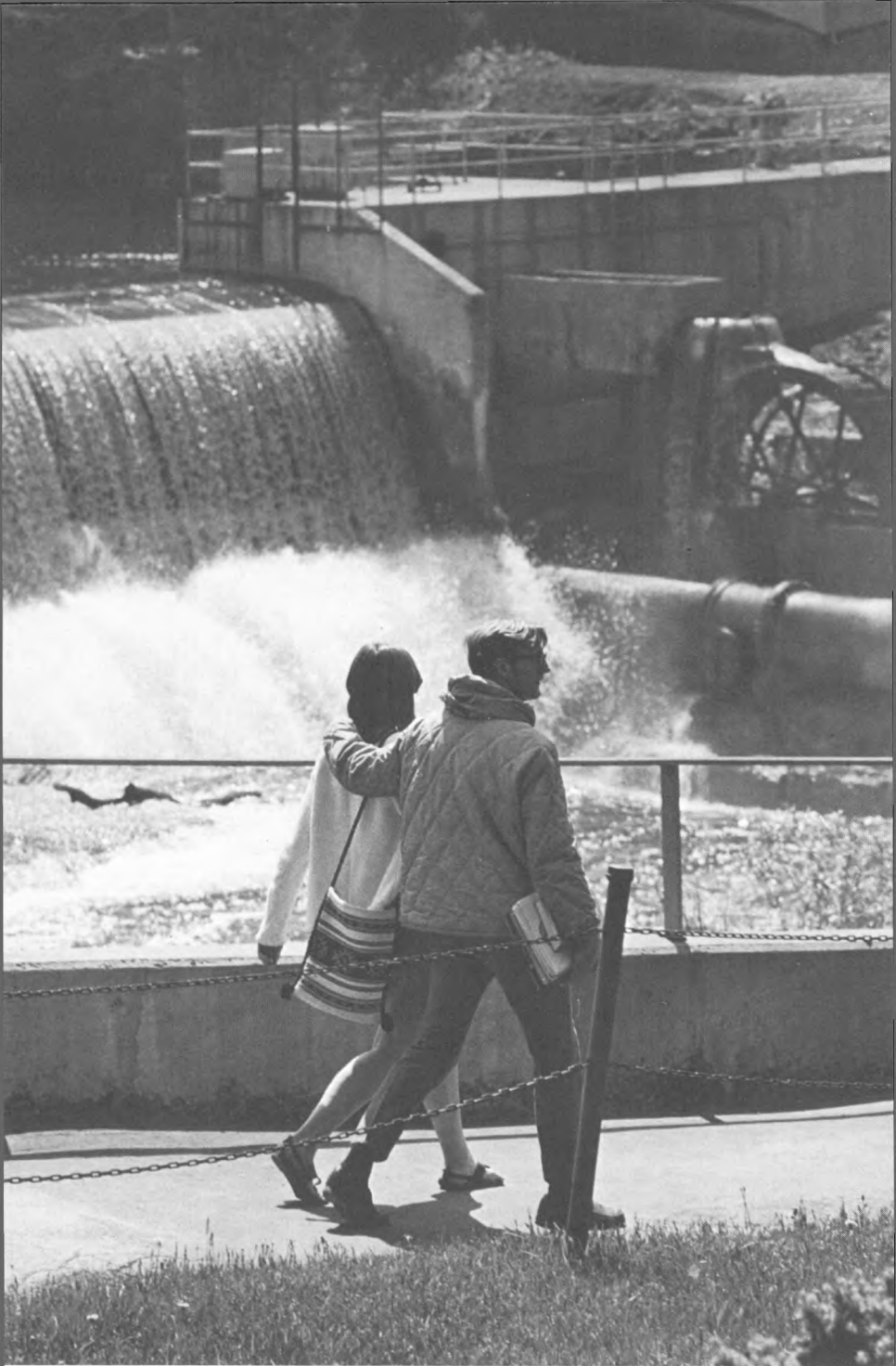
Group sessions for students interested in Human Ecology are scheduled weekdays at 10:30 a.m. and at 3:00 p.m. except from February 1 through April 15 and holidays. Saturday interviews are not available.

Those planning to come to the campus for interviews are requested to write to the Appointment Secretary, Admissions Office, 247 Day Hall, *being sure to specify the college of their interest and the preferred date and time of their visit.* To facilitate scheduling, requests must be made *at least two weeks* before the intended visit, except during the heavy interviewing season (August–December) when two weeks may not allow sufficient time. Students planning to attend the Arts and Sciences Admissions Seminar are requested to inform the appointment secretary when they will be present.

Selection Process and Notification

Admission to each separate division of Cornell University is based on a careful review of all credentials presented on behalf of a candidate and is on a competitive basis. A committee in the school or college to which the candidate has applied selects those it considers best qualified from among all who have applied for that division.

Four divisions of the University—the Colleges of Agriculture and Life Sciences, Engineering, Human Ecology, and the School of Hotel Administration—follow a policy of “rolling admissions.” Decisions are reported to applicants over a period of time, with some letters going out as early as February 1, but the great bulk of them during March and the first half of April. The selection committee in each of these divisions will have a large number of applications to review, and the fact that some applicants will



Walking past Triphammer Falls at Beebe Lake, one of the most colorful areas on the campus.

hear from Cornell considerably later than others is likely to mean simply that consideration of their applications has been delayed by the time-consuming nature of the process. In short, one should not infer that relatively late notification has anything to do with how Cornell regards the quality of the applicant.

Applicants for the College of Architecture, Art, and Planning; the College of Arts and Sciences; and the School of Industrial and Labor Relations are all advised of the outcome at the same time. Notices are mailed about mid-April.

Most financial aid notification announcements are also mailed about mid-April to candidates for all divisions.

Every candidate for admission to an undergraduate course who receives notice of approval of his application must pay a registration fee (see the section Other Fees and Deposits on p. 72). Each such candidate will be advised of the due date of this fee at the time an approval notice is sent to him. The registration fee covers matriculation charges and certain graduation expenses, and establishes a fund for undergraduate and alumni class activities.

If a candidate withdraws before the due date of his registration fee, the fee will be refunded. No refund will be made to an applicant who withdraws after the due date of the fee; in such case the whole fee will be retained by the University in payment of its costs and intangible losses resulting from the withdrawal.

SUBJECT AND TEST REQUIREMENTS

Agriculture and Life Sciences, B.S., four years

Sixteen units representing completion of a secondary school course, which must include four units of English and three units of college preparatory mathematics, are required. It is strongly recommended that high school students carry enough courses to offer eighteen entrance units and that these include biology, chemistry, physics, and at least three and one-half units in mathematics.

The Scholastic Aptitude Test of the College Entrance Examination Board is also required. Applicants are encouraged to complete College Board Achievement Tests in two of the following: English composition, mathematics, science. The results of the American College Testing Program may be substituted for the college boards.

Agricultural Engineering, B.S.

Applicants for this professional engineering program must satisfy the entrance requirements of both the College of Agriculture and

Life Sciences (above) and the College of Engineering (p. 42). For the first three years the student is registered in the College of Agriculture and Life Sciences, and for the fourth year in the College of Engineering. The student seeking the degree Master of Engineering (agricultural) will also enroll for the fifth year in the College of Engineering.

Architecture, Art, and Planning, B.Arch., five years;
B.F.A., four years

All candidates for admission to the Departments of Architecture and Art must take the Scholastic Aptitude Test of the College Entrance Examination Board or the tests of the American College Testing Program.

Three years of a foreign language, ancient or modern, are required for entrance. Candidates who have fewer than three years of preparation in a foreign language, but who make satisfactory scores on the Achievement Test, will meet the requirement. When the required language credit is not offered for admission, a letter of explanation of this deficiency must be sent to the Committee on Admissions for its consideration. If the applicant is admitted, the language requirement must be satisfied before graduation. If an applicant plans to continue, in college, the study of a language he has already begun, the College advises him to take the College Entrance Examination Board Achievement Test in that language, for placement in the proper course. Three college credits in a language are considered, for the purpose of making up the entrance requirement while in college, to be equivalent to one year of high school language credit.

Candidates for admission to the Department of Architecture must demonstrate satisfactory knowledge of these subjects:

ARCHITECTURE (B. ARCH.) Candidates for admission to the Department of Architecture must present sixteen units including four units of English, four units of mathematics, three units of a foreign language (see above).

Mathematics must include intermediate algebra, plane geometry, and trigonometry, taken either as separate courses or included within comprehensive mathematics courses.

An acceptable course in physics, taken either in secondary school or in college, is required for graduation.

The program in architecture is purely professional in objective. Only those who are seriously interested in careers in architecture should make application for admission. Every candidate for admission is advised to read professional literature, visit professional offices, talk with students of architecture or recent graduates, and otherwise inform himself about the field. It is usually wise to re-

solve serious doubts in favor of starting with a program of general education.

ART (B.F.A.) Candidates for admission to the Department of Art must present sixteen units including four units of English, two units of college preparatory mathematics, three units of a foreign language (see above). Remaining units should, in the main, consist of science and social studies (including history).

The program in art is preprofessional in objective. Those who are seriously interested in careers in painting, sculpture, or the graphic arts, are the most logical candidates. Every candidate for admission is advised, where possible, to read literature of a critical and art-historical nature, to visit museums and galleries, and to otherwise inform himself about the field of art. Art work done by the applicant, or slides thereof, should be presented at the time of the interview. Examples of class assignments, or independent work, or both, are acceptable.

Arts and Sciences, A.B., four years

An applicant must have completed a secondary school course giving satisfactory preparation for the work of the College. Sixteen units of entrance credit are required: four years of English; three years of college-preparatory mathematics;* and three years of one foreign language, ancient or modern. (Foreign language preparation is particularly important in this College. Although a student who can offer only two years or less of a foreign language, but who has a school record of otherwise high quality, should not hesitate to apply, he should attach a letter to his application form explaining his deficiency.) The remaining units should be chosen from laboratory science, social studies, and further work in mathematics and foreign language. Whenever possible, these sixteen units should be supplemented by courses in similar academic subjects. Exceptions to these requirements may be granted when the applicant's record is unusually promising. For example, students whose interests and academic and extracurricular achievements are in the fields of the creative and performing arts should not hesitate to apply because they have not taken a standard academic curriculum. Demonstrated unusual strengths in one area may offset weaknesses in another.

Each candidate for freshman admission is required to take either the College Board Scholastic Aptitude Test or the Ameri-

* The increasing need for mathematics in the social, biological, and physical sciences makes it desirable for students interested in those areas to be prepared to take a calculus course upon entering the College; such students should have studied advanced algebra and trigonometry during their secondary school years.

can College Testing Program Examination (ACT) and, *in addition*, either the College Board Achievement Test in English Composition or the College Board Literature Test and two other College Board Achievement Tests in different subjects. The required tests should be taken no later than the January test date for the Scholastic Aptitude Test or the December test date for ACT during the senior year. The required College Board Achievement Tests must be taken no later than the January test date.

Although an achievement test in a foreign language is not required for admissions consideration, candidates should, before entering Cornell, take the College Board Achievement Test in any language which they have had in high school and expect to continue in the College. Because the score on such a test is needed for placement in language courses, the test should be taken late in the senior year—in March, May, or even July.

Candidates should also keep in mind the further language requirement which they must meet. If they will be entering with two or more years of some language which they wish to use toward fulfilling this requirement, they should take the achievement test in that language even though they do not plan to continue it in college. This score will determine whether in the tested language they have met part of the requirement for graduation. See the *Announcement of the College of Arts and Sciences* for further details.

The College of Arts and Sciences recognizes that some students may benefit from time away from formal schooling. In this spirit, the College officially confirms the practice of delaying one's first enrollment in the College by either two or four semesters. To participate, an accepted freshman candidate must inform the University Office of Admissions by May 1 that he accepts the offer of admission and wishes to petition for a delay. The request should specify the student's plans and state whether the delay will be for two or four semesters. If the College approves the request, the student will remit the \$50 registration fee and will be assured that a place is reserved for a specified future freshman class. After an approved delay, a student is required to inform the College his desire to enroll at least six weeks before the start of a semester.

Engineering

A two-year Basic Program is followed by two years leading to a Bachelor of Science degree. Most students proceed to some type of graduate study. The most popular is the one-year program leading to the professional Master's degree in an appropriate field. Other choices include Master of Science or Doctor of Philosophy degrees

for those interested in research and teaching, or other professional schools including law, business administration, and medicine.

Sixteen units are required at the secondary school level including English, four units; one foreign language, two units; history, two units; elementary and intermediate algebra, two units; plane geometry, one unit; trigonometry, one-half unit; either advanced algebra, one-half unit, or solid geometry, one-half unit; chemistry, one unit; *and* physics, one unit. It is recommended that the candidate offer advanced algebra, if possible, and that at least three of the elective units offered be in further study in language or history. The mathematics units listed above may be taken as separate courses or may be included in four units of comprehensive college preparatory mathematics.

There are two available alternatives for submitting results of standardized college admissions tests. The preferred procedure is for the student to take the College Board Scholastic Aptitude Test (SAT), and in addition the College Board Achievement Tests in mathematics (level I or level II) and in chemistry or physics. These must be taken not later than January of the last year in secondary school. Generally, it is recommended that the Achievement Test in science be taken in May of the junior year, in that science in which the applicant is then enrolled. However, the Engineering Admissions Committee will consider a science College Board Achievement Test taken in December or January of the senior year for a course completed in the junior year, or earlier, or for a course currently in progress. Under these circumstances, test results are not expected to be as high as the results of tests taken at the time of completion of a full year's work. Applicants should not defer this required test until March or May of the senior year, for results would be received too late to be useful to the Committee.

The alternative plan is to submit scores from the American College Testing Program (ACT). The ACT should be taken not later than the December test date. (Students should realize that the College Entrance Examination Board Scholastic Aptitude and Achievement Tests are preferred because the College has had much more experience in the use of these tests and therefore greater confidence in their relationship to academic success at Cornell.)

Hotel Administration, B.S., four years

Sixteen units are required. These must include English, four units; mathematics, three units; and science, one unit (chemistry required). The remaining units should include additional courses in mathematics and sciences (especially physics), social studies (including history), and a foreign language. The Scholastic Ap-

titude Test of the College Entrance Examination Board is required of all students whose native tongue is English.

Human Ecology, B.S., four years

Applicants must offer sixteen academic units to include four units of English; three units of college preparatory mathematics; and one unit of biology, chemistry, or physics. The remaining units shall be drawn from history or social studies, foreign language, additional science, and mathematics. It is strongly recommended that students complete both one unit of biology and one unit of chemistry or physics prior to admission. Students entering the College without previous study in (a) biology or in (b) chemistry or physics will be required to complete a semester course in the respective area in order to meet general graduation requirements.

The Scholastic Aptitude Test of the College Entrance Examination Board or the results of the American College Testing Program are required. Achievement Tests of the College Board are not required, but if achievement test scores are received, they are taken into account by the selection committee.

Industrial and Labor Relations, B.S., four years

Sixteen units, including four units of English are required. The remaining twelve units should consist of college preparatory courses such as foreign language (ancient or modern), history, mathematics, science, and social studies. Candidates are required to present either the results of the College Entrance Examination Board tests (the Scholastic Aptitude Test and Achievement Tests in English composition and in mathematics-level I or II) or the results of the American College Testing Program. In addition, each applicant is required to submit with his application a 500-word statement (preferably typewritten), indicating the basis for his interest in the field of industrial and labor relations.

ENTRANCE UNIT CREDIT

In the previous section, Subject and Test Requirements, on p. 39, the number of entrance units for each Cornell division is prescribed, with some subjects either recommended or definitely required. To be eligible for consideration by the selection committee, a candidate must demonstrate satisfactory knowledge of the subjects required; the secondary school record is usually the principal factor in determining this eligibility.

Entrance unit credit will normally be granted only in those subjects in which the candidate attains the passing mark of the

secondary school, except in a sequence course such as English or a language, in which case credit for the full sequence will depend upon attaining the passing mark of the school in the final year of the sequence.

NEW YORK STATE REGENTS EXAMINATIONS

The Regents Examinations, prepared by the New York State Education Department, are not required by any division of the University. They are particularly desired, however, of applicants from New York State who are candidates for admission to the College of Agriculture and Life Sciences or the School of Industrial and Labor Relations, and they are useful in the evaluation of candidates for the other divisions as well.

ADVANCED PLACEMENT FOR ENTERING FRESHMEN

Prospective entering freshmen who have taken college-level courses in secondary school or in a summer or an academic-year college program, and those who score well on the College Board College Level Examination Program (CLEP) or the United States Armed Forces Institute exam (USAFI), have the opportunity to qualify for advanced placement (and often for advanced standing credit) in many areas of study.

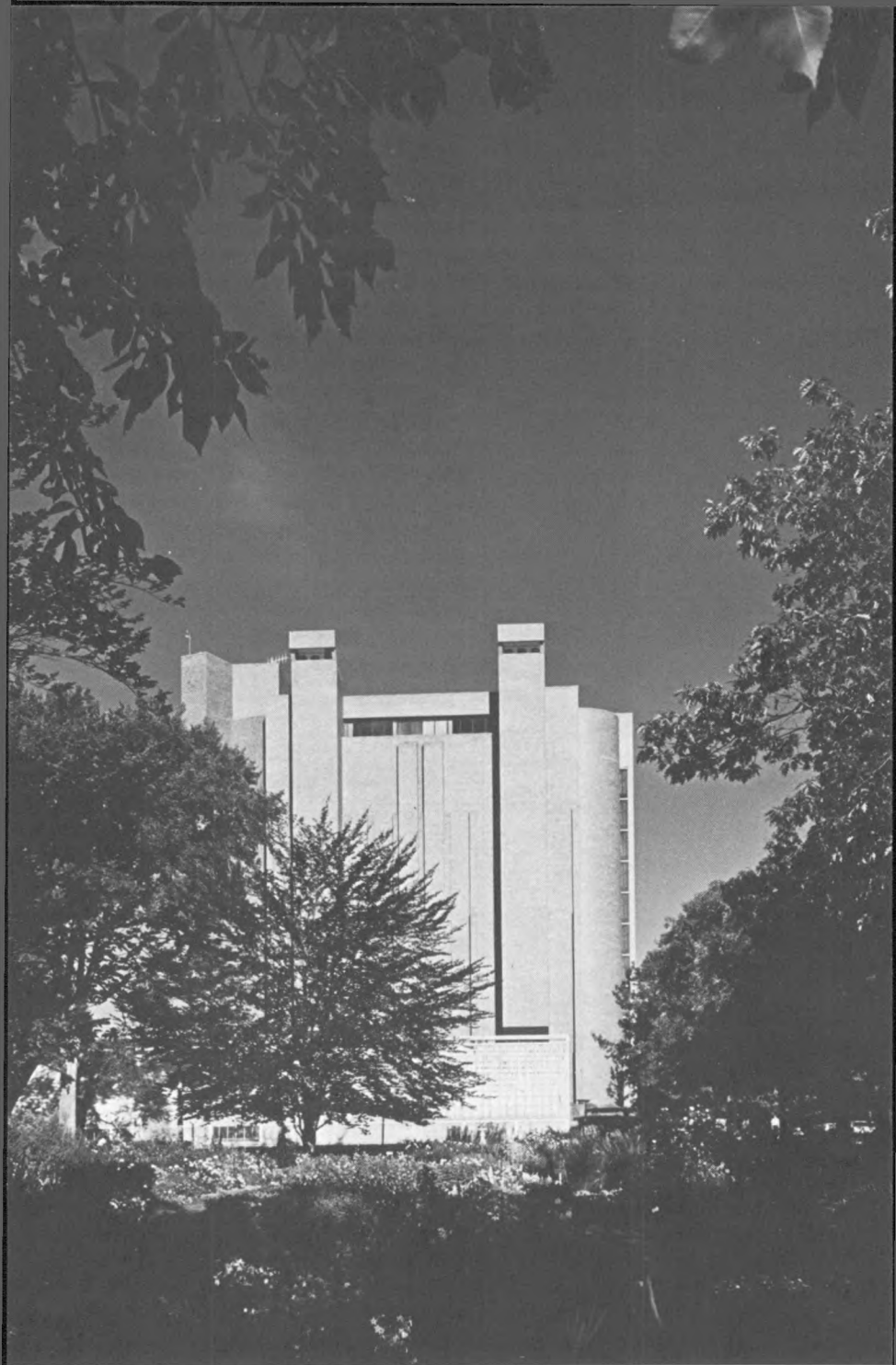
In general, those who wish to be considered for advanced placement or credit should plan to take the appropriate Advanced Placement Examination(s) of the College Entrance Examination Board in May. Some departments offer their own examinations at entrance, however, as an alternative or supplementary method of seeking advanced placement or credit.

A leaflet describing advanced placement is available from the Office of Admissions.

ADMISSION OF TRANSFER STUDENTS

Students who have attended another college or university may apply for transfer to any of the undergraduate divisions at Cornell. Because the requirements vary from one division to another, prospective transfers are requested to consult the transfer sections in the *Announcement* for the appropriate college. There is also a leaflet entitled *Transfer to Cornell University* available from the Office of Admissions, Day Hall. This contains complete instructions and will be mailed to each candidate when the transfer application is received. If possible, however, a prospective transfer should read this before submitting his application.

Transfer applications Form 1 and Form 2, are available from



Bradfield Hall, a research tower of the College of Agriculture and Life Sciences.

the Office of Admissions, Day Hall. Form 1 must be returned by the following dates for transfer in September 1973:

January 15	Architecture, Art, and Planning Human Ecology
February 1	Hotel Administration
March 15	Agriculture and Life Sciences Industrial and Labor Relations
April 15	Arts and Sciences *Engineering

All divisions except Architecture, Art, and Planning also consider transfer applications for the spring term. The deadlines for filing spring term applications are November 1 for Agriculture and Life Sciences, Arts and Sciences, and Human Ecology; November 15 for Engineering, Hotel Administration, and Industrial and Labor Relations.

Each applicant will be asked to furnish supplementary information including secondary school academic credentials. A standard secondary school report form will be sent to the applicant for transmittal to his high school. Interviews are required by the College of Architecture, Art, and Planning, and the School of Hotel Administration. The School of Industrial and Labor Relations requires an interview and a 500-word essay.

Transfer applicants should also be prepared to furnish transcripts of all work completed at the college level. For students wishing to be admitted in *September*, the transcript should include work taken the prior fall term plus a listing of courses being taken during the spring term. For students wishing to be admitted in *January (spring term)*, the transcript should include work taken through and including the previous summer, plus a listing of courses being taken during the fall term.

An admitted transfer student will be required to submit a transcript of *all* college work completed prior to entrance.

Test requirements (College Board and ACT) are outlined in the leaflet *Transfer to Cornell University*.

Although students from community college and other two-year college programs may apply to any division of the University, the Colleges of Agriculture and Life Sciences, Arts and Sciences, Engineering, Human Ecology, and the School of Industrial and Labor Relations particularly encourage applicants from these programs. Students should write to the chairmen of the admissions committees of these divisions for information pertaining to admissions procedures, financial aid, and advanced standing.

Because of the competitive nature of the academic program in the College of Arts and Sciences, candidates for sophomore stand-

*Applications will be accepted by Engineering after April 15 as long as transfer places remain to be filled.

ing should have taken freshman programs consisting of courses similar to those in the College of Arts and Sciences permitting easy integration with the undergraduate curriculum. Candidates for junior standing will be expected to have fulfilled most of the language and distribution requirements of the College and to have met the prerequisites of the intended major. Candidates for second-semester freshman status are not eligible for spring term admission.

SPECIAL STUDENTS

Each year most divisions enroll a number of special or nondegree students, including, in some instances, students who wish to spend their senior year at Cornell while earning a degree at another institution. Because of the unique nature of such programs from one division to another, students are encouraged to refer to the *Announcements* of the individual colleges for specific information.

COLLEGE ENTRANCE EXAMINATION BOARD TESTS

College Board test requirements are listed specifically for freshman candidates in the section Subject and Test Requirements, p. 39.

Candidates are urged to take the College Board tests in December, but no later than January in any case, for fall entrance. They must request the College Entrance Examination Board to send the official score report to Cornell University. Scores reported on school transcripts or in other ways are not acceptable.

Candidates may make application for these tests either through their schools or by writing directly to the College Entrance Examination Board at Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

AMERICAN COLLEGE TESTING PROGRAM TESTS

All divisions, except the School of Hotel Administration, will accept the results of the American College Testing Program as either a partial or complete substitute for the College Entrance Examination Board tests. Consult the section Subject and Test Requirements, p. 39 for specific divisional requirements.

Candidates for fall entrance are urged to take the tests in October or December. Registration packets may be obtained from secondary schools or from the American College Testing Program, P.O. Box 168, Iowa City, Iowa 52240 or 216 Goddard Blvd., King of Prussia, Pennsylvania 19406.

Candidates must request the American College Testing Program to send the official score report to Cornell University. Scores reported on school transcripts or in other ways are not acceptable.

FINANCIAL AID

Most students plan to finance their education through a combination of savings, help from home, and summer earnings. The section on expenses (pp. 71-74) should be examined carefully. An entering freshman who needs supplementary funds should have clearly in mind the additional amount needed in his particular case.

Academic ability as indicated by the candidate's secondary school credentials, and by test scores of the College Entrance Examination Board, is of primary importance in the selection of financial aid winners. In many cases, extracurricular achievement and promise of leadership are important. Although recipients of financial aid are selected on those criteria, the *total amount awarded* is based on remaining need once an appropriate expectation from student, family, and other resources has been deducted from the student's anticipated budget.

A typical award involves part scholarship plus loan and/or job help. The trend is toward such package awards, although candidates with exceptionally strong qualifications are likely to have a better scholarship-loan ratio in their award.

Scholarships offered to freshmen vary in value, depending on the winners' need and promise. University loans are limited to \$1,400 a year, National Defense Student loans are limited to \$1,000 per academic year, and job opportunities vary in value from \$300 to \$600 a year. Virtually all awards may be held for the normal period of years required for an undergraduate degree, with continued financial need and satisfactory academic progress.

New York State candidates interested in the New York State Regents scholarship program should apply to local school authorities or to the Commissioner of Education, Albany, New York 12201, for details. Winners are not exempt from any of the rules governing admission to the University; they should therefore apply for admission at the normal time and should be prepared to satisfy the regular entrance requirements.

APPLICATIONS FOR FINANCIAL AID. A financial aid application is attached to each application for admission. It is to be completed (and left attached) by each candidate who wishes to be considered for financial assistance (scholarships, loans, jobs).

If a student is under 25 or a nonveteran, a Parents' Confidential Statement (forms obtainable from secondary schools) should reach Cornell at about the same time as the application for admission and the application for financial aid. The Parents' Confidential Statement should be sent to Princeton, New Jersey, no later than January 1 to allow for processing time. *If a candidate applies for financial aid after January 15, he will be at a serious disadvantage because of the nature of the financial aid selection process.*

HOUSING

RESIDENCE HALLS

The University provides a variety of residence halls accommodating approximately 5,400 students. These halls, located on both the North Campus and the West Campus, vary substantially in style and size.

The West Campus buildings are situated west of Willard Straight Hall, about a five-minute walk down the hill from the center of the campus. The Halls which make up the Baker Group are Gothic in style. They were constructed just after World War I. There is substantial variety in the sizes of units and in room arrangements, with singles, doubles, and a few triple-occupancy rooms included. The buildings accommodate about 550 students. Included in the Baker group are Baker Tower, Boldt Hall, Boldt Tower, Founders Hall, Lyon Hall, McFaddin Hall, Mennen Hall, North Baker Hall, and South Baker Hall.

The University Halls are six in number. Each one provides accommodations for approximately 225 students. Included in this group are Class of 1917 Hall, University Halls 2, University Halls 3, University Halls 4, Class of 1926 Hall, and Sperry Hall. Each unit has a lounge for study on every floor and there is additional lounge and activity space on the main floor. The halls were opened in 1954 and are of a relatively contemporary design.

In the immediate vicinity of the Baker and University Halls groups is the Agnes and Jansen Noyes Center, one of three University Unions on campus. This building provides dining services, including a popular pub, lounges, and other recreational and study facilities.

The North Campus buildings, which accommodate about 2,700 men and women, are a blend of the old and the new. The oldest, Prudence Risley Hall, opened in 1913, offers many different room sizes. It houses about 192 students, serving as a residential college for upperclass and graduate students who have a special interest in the creative and performing arts.

Located across the street from Risley Hall are the Balch Halls, which were built in 1929. These four connecting halls accommodate 355 women. The structure is built of native stone in the English Collegiate-Gothic style. Most of the rooms are doubles or adjoining singles. Lounge areas are on the first floor.

Clara Dickson Hall, completed in 1946, accommodates 450 students. It consists of two main divisions, Unit V and Unit IV, which house freshmen and upperclass men and women. Most of the rooms are singles.

Mary Donlon Hall, which was opened in 1961, provides accommodations for 475 men and women students on alternate floors. There are lounge areas on each of the six floors. Most rooms are doubles, but a few singles and rooms for four students are available on each floor. The main floor has generous lounge and recreational facilities.

Comstock Hall, located across the street from Risley, is composed of two small units, each housing about forty upperclass students. Rooms are arranged in suites for three or four persons.

The North Campus Student Residences are the latest additions to the University's housing facilities. These houses are contemporary both in terms of architecture and concepts for student living. All the buildings are used coeducationally. They include five low-rise buildings housing 720 students and two high-rise houses, each accommodating 180. The houses are designed with six suites in a unit. Each suite accommodates six residents in two double and two single rooms and includes a small kitchen, living room, and a room for study. A bathroom and storage closet completes each suite. In addition, each house has a main living room with adjacent kitchenette, laundry facilities, a typing room, and resident staff apartment. There are also several apartments primarily for faculty and staff.

The International Living Center, now beginning its third year of operation, uses one of the low-rise units in the North Campus student residences. The Center brings together students interested in an internationally oriented community. These residents are mostly upperclass and graduate students. Additional information concerning the International Living Center may be obtained by writing to the Head Resident, International Living Center, North Campus, Cornell University, Ithaca, New York 14850.

The North Campus Union is in the immediate vicinity of the North Campus student residences. This facility provides dining services and recreational facilities, a craft shop, a branch of the Campus Store and the mail-distribution center for all North Campus student residences.

In addition to the larger halls there are five small units located in the North Campus area which provide an opportunity for

cooperative living arrangements. About one hundred upperclass students can be housed in these units.

During their first year, freshman men and women are strongly encouraged to live in University residence halls as an aid to their acclimation to the Cornell community and the rigors of the academic program. Upperclass students may also elect to live in University residence halls. However, it is expected that demand will exceed supply, and entering students are urged to apply for space at the earliest opportunity since assignment priority is established by the date a housing application is received by the University. Entering transfers should note that acceptance by the University does not necessarily guarantee the availability of on-campus housing.

Application forms for University residence halls will be mailed by the Office of Admissions to each candidate for admission as a freshman or transfer student at the time of notification of provisional acceptance to the University. A \$10 housing application fee must accompany return of the completed application.

Graduate Students

The University has two residence halls especially for graduate students. The Sage Graduate Center accommodates 190 men and women; Cascadilla Hall houses 155 men and women. The dining service in the Sage Graduate Center is available to all graduate students and faculty. Application forms for graduate housing will be enclosed with notification of acceptance to the Graduate School. Forms should be returned promptly as assignment priority is established by the date of receipt of the application by the University. A \$10 housing application fee must accompany return of the completed application.

Law Students

In September 1963, the Charles Evans Hughes Law Residence Center was opened. Connected to Myron Taylor Hall, which houses the Law School, the Center has facilities for about 118 single law students. Dining facilities are also located in the building. Matriculating law students will receive an application form with their acceptance letter from the Law School. A \$10 application fee must accompany return of the completed application.

Married Students

Unfurnished apartments for 420 married students and their families are provided by Cornell in the Cornell Quarters (81

apartments), Pleasant Grove (94 apartments), and Hasbrouck (245 apartments). Inquiries for further information should be directed to the Hasbrouck Housing Office, Pleasant Grove Road, Ithaca, New York 14850.

OFF-CAMPUS HOUSING

Information on housing that is currently available is posted on a board at the Student Housing Assignment Office, 223 Day Hall. Because changes of available accommodations occur daily, it is not practical to prepare lists. If possible, a student should make at least one trip to Ithaca to look over the available apartments and houses before he plans to take up residence.

DETAILED INFORMATION on all types of housing for students may be obtained by writing to the Student Housing Assignment Office, 223 Day Hall, Ithaca, New York 14850.

DINING FACILITIES

Cornell has no formal dining requirements for its students; they may eat where, when, and what they choose whether or not they live in University residence halls. The University maintains a number of public dining units in various convenient places on the campus.

Optional dining plans are offered for students who may wish to prepay some of their board costs rather than pay cash for each meal. The plans are designed to be flexible, taking into account students' habits and schedules as well as convenience and economics. Details of dining arrangements are described in *A Guide to Campus Dining*, which will be mailed in May to all incoming freshmen and transfer students.

OFFICE OF THE DEAN OF STUDENTS

The University, through the Office of the Dean of Students, maintains a staff of counselors and advisers available for personal conferences with both graduate and undergraduate students. The staff is prepared to help students with the routine problems that arise in the normal course of campus life and also with more personal individual problems. Referrals may be made to the other professionally trained members of the University and college staffs who are best qualified to be of specialized assistance for particular problems. Responsible adult and student resident advisers who live in the various residence halls and small housing

units as members of the staff of the Office of the Dean of Students are also readily available to assist students.

The office encompasses many varied functions: counseling services, including individual and group counseling on personal and social problems, life assessment workshops and micro labs, stress clinic, selective service information, advising and new student orientation; housing both on and off campus; student activities and organizations including policy administration, advising student groups, program development, leadership training, student finance commission advising. The Office's staff is closely associated, in an advisory capacity, with student government organizations, fraternities, sororities and many other extracurricular activity groups. In addition, the office is responsible for coordinating and developing programs for orienting new students to campus life academically, socially, and in the realm of extracurricular activities. It also sponsors sex and drug education programs for students.

Staff members of the several colleges within the University also give special attention to the orientation of their students. They provide counselors and advisers to assist their students in all matters connected with courses of study and academic pursuits.

EDUCATIONAL AND VOCATIONAL GUIDANCE

Educational and vocational counseling begins in the separate colleges and schools. Each undergraduate is assigned a faculty adviser who will help him in the selection of courses which will give him the best preparation in his chosen field.

Students desiring assistance in the diagnosis of academic problems, selection of a curriculum, or determination of vocational goals may be referred to the University Guidance and Testing Center, 203 Barnes Hall, for an intensive program of testing and counseling.

READING-STUDY CENTER

The Reading-Study Center offers all students the opportunity to acquire and to improve the reading and study skills that are essential for academic success. Each semester, numerous sections of three- and seven-week noncredit courses in reading and study skills are offered. The staff of the Center also assists individual students with their specific academic problems.

The content of the lectures includes the following general areas: organization and effective use of time; reading textbooks

and supplementary materials with efficiency and with improved comprehension; making notations and taking notes on reading assignments; recording and remembering lecture notes; preparing for and taking examinations; and improving the research skills required for papers and reports.

Instruction in the techniques of speed reading is also offered at the Center. Although this skill has extremely limited application when reading academic assignments, some students may wish to acquire it for the reading of newspapers, magazines, and light fiction.

CAREER, SUMMER PLANS, AND PLACEMENT CENTER

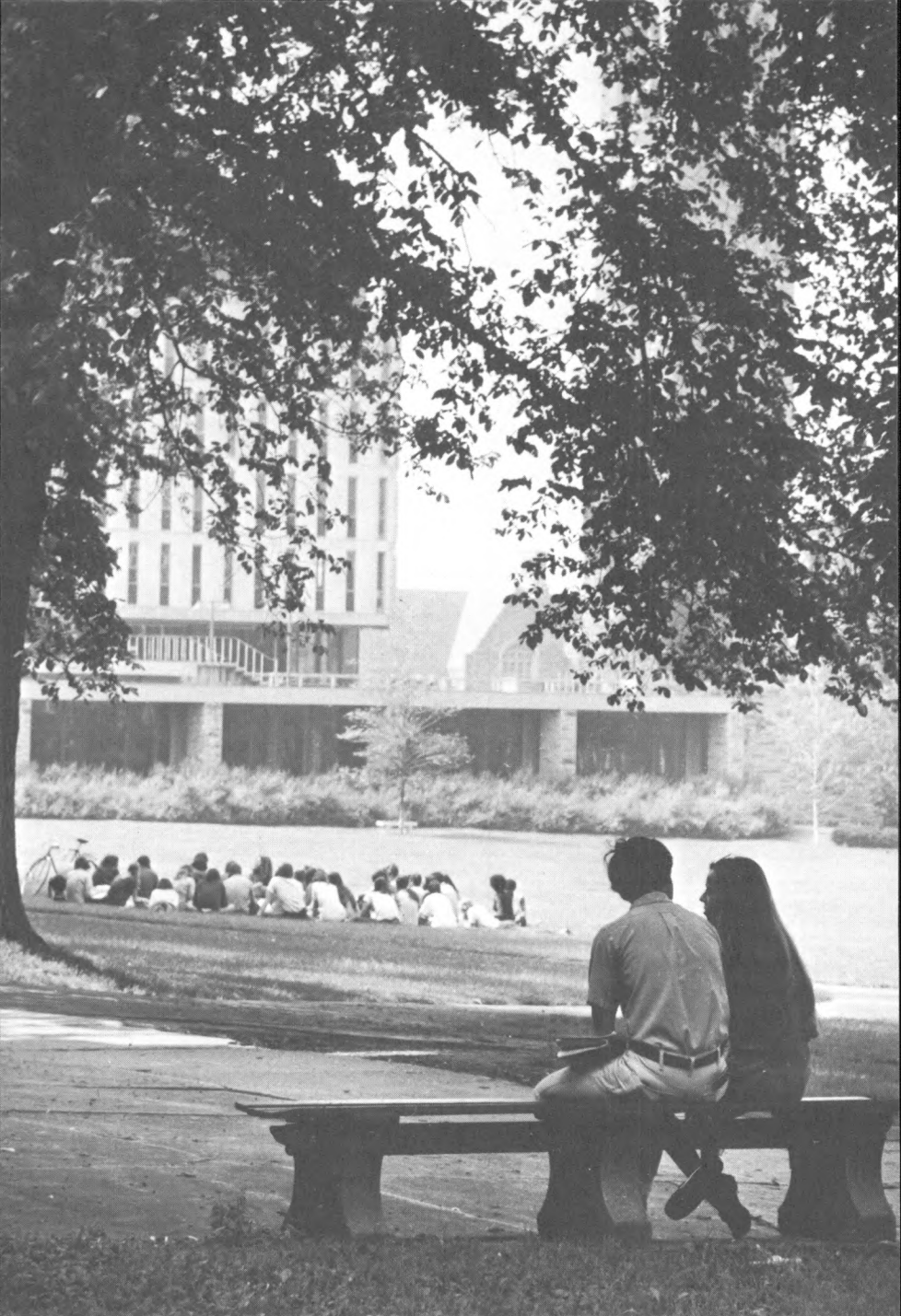
The Career, Summer Plans, and Placement Center, 14 East Avenue, serves as an information center for careers, employment opportunities, teacher placement and fellowships. It is also the information center for summer opportunities, which include work, study, travel, and service projects. It serves as a clearing house for jobs in business, industry, and teaching. Applications for the Graduate Record Examination, law and business board examinations, among others, are on file here. Arrangements are made through the Career Center for recruiters from graduate schools and employing organizations to visit the campus every year. The students and faculty may keep up to date with the Center's activities by registering to receive its monthly newsletter. An alumni placement service is also operated at the Center.

FOREIGN STUDENTS

The University maintains an International Student Office. Foreign students are invited to write to that Office for any information they may need, or to consult the staff about any problems they may have. Upon arrival at Cornell, foreign students are urged to report to the International Student Office, 200 Barnes Hall.

RELIGIOUS AFFAIRS

"Freedom for all; domination by none" is the guiding principle under which religious affairs have flourished at Cornell since 1869. Anabel Taylor Hall provides office and meeting facilities for the religious programs described below. A diverse staff of more



Trees, gorges, waterfalls, and distant views contribute to Cornell's reputation as one of the most beautiful campuses in the nation.

than a dozen pastoral counselors and advisers, available day or night for consultation, may be reached through the information office, room 118 (telephone 256-4214). This office also has information concerning worship opportunities in Sage Chapel, Anabel Taylor Hall, and local churches. Anabel Taylor Hall is the headquarters for CIVITAS (Cornell-Ithaca-Volunteers-in-Training-and-Service) through which students provide many services to local and regional community agencies. The Commons, a coffee-house in the building, helps keep open channels of communication between faculty, administration, and students, as they share concerns for a cohesive community. Three new organizational structures have succeeded Cornell United Religious Work (CURW) in sharing responsibility for the religious programs at Cornell.

The Office for the Coordination of University Religious Affairs administers and schedules the use of Anabel Taylor Hall by religious and other campus groups, provides information, counseling and referral services, serves as liaison between the Centre and the Council described below, and coordinates and interprets religious affairs at Cornell in cooperation with the University Senate's Subcommittee on Religious Affairs. This office also is charged with administration of the Sage Chapel convocations every Sunday the University is in session.

The Centre for Religion, Ethics, and Social Policy is a chartered, independent, educational institution which provides opportunities for faculty, students, staff, and religious organizations to investigate and analyze the relationships between belief systems and the development of social policy. Lectures, conferences, seminars, action projects, and publications are used as methods of dealing with religious, ethical, and ideological implications of social policy. The Centre works closely with other programs at Cornell which are similarly concerned with normative questions. It succeeds much of the united nondenominational phase of CURW's program of recent decades.

The Council of Federated Ministries coordinates and extends the interests and concerns of its member religious ministries at Cornell: Catholic, Christian Science, Episcopal, Evangelical, Friends, Jewish, Later-day Saints, Lutheran, Muslim, Eastern Orthodox, Unitarian-Universalist, United Methodist, and United Ministry (Baptist, Disciples of Christ, United Presbyterian, Reformed, and United Church of Christ). Each ministry is autonomous, developing programs according to its aims, goals, and religious and moral persuasions. The Council provides ongoing opportunity for joint programming and interreligious cooperation.

UNIVERSITY LIBRARIES

The libraries on the Cornell campus are many and varied. They contain more than three and a half million books and provide up-to-date facilities for research and study in countless fields.

The central library, at the south end of the Arts Quadrangle, is composed of two parts. Uris Library, the building with the tower that has become the symbol of Cornell, is essentially an undergraduate library for students in the liberal arts. A principal aim of this library is to bring readers and books as close together as possible. Bookstacks are open to all, and only reserve books in heavy demand are held in a special category. There are listening rooms where students, singly or in groups, may hear recordings of the spoken word, and there is a lecture room with sound and projection capabilities.

Across the walk from Uris is the John M. Olin Library, devoted more specifically to graduate and faculty research. This closed-stack library houses many special collections of books and manuscripts, among them Rare Books, a collection on the East and Southeast Asia, and another on the history of science, the University Archives, maps, and newspapers.

The two libraries, Uris and Olin, are planned to complement each other in support of the University's program of teaching and scholarship. Besides this central facility, there is an extensive system of college, school, and department libraries. Chief among these are the Albert R. Mann Library serving the College of Agriculture and Life Sciences and the College of Human Ecology; the Fine Arts Library serving the College of Architecture, Art, and Planning; the libraries of the College of Engineering and the New York State Veterinary College; and the libraries serving the Graduate School of Business and Public Administration, the Law School, the School of Hotel Administration, and the New York State School of Industrial and Labor Relations.

All of the libraries are open long hours, some of them until midnight. Many have special copying services, and some publish handbooks and bibliographies that are distributed without charge.

CAMPUS LIFE

Cornell students have the opportunity of participating in a varied program of activities outside the regular course of study. They will find their college experience enriched if they use that opportunity wisely. If they are interested in student government, athletics, publications, music, dramatics, forensics, social organi-

zations, or other extracurricular activities, they will find an exceptionally long list from which to choose.

From the few activities that can be described here, the prospective student may get a general idea of what kinds are likely to arouse his interest. He will have plenty of time to decide on the extent of his participation after he has enrolled in the University and has become firmly established in his academic work.

THE UNIVERSITY SENATE

The Cornell University Senate, now in its third year of existence, functions as a major legislative and policy-making body in matters of general concern to the campus community. It was formally established in February 1970, the outgrowth of proposals made by a Constituent Assembly, a larger group created the year before amid campus unrest to consider ways to improve the governance of the University.

The Senate provides for a total of 140 senators apportioned as follows: sixty students to be divided proportionately between graduates and undergraduates; sixty faculty representatives chosen from the various schools and colleges, proportional to the number of faculty in the schools and colleges; two alumni elected by the alumni; the University provost; one University vice president elected by the vice presidents; three nonprofessorial academics who do not have faculty status; four exempt employees elected at large by their constituency; and nine non-exempt employees.

Functioning as *ex officio* members of the Senate with all privileges except voting are the president of the University, ten other members of the central administration, the deans of the various schools and colleges, the director of the Africana Studies and Research Center, and the following persons elected to the University Board of Trustees: four faculty members elected by the Faculty for five-year terms; one nontenured faculty member elected by the nontenured faculty for a two-year term; one faculty member elected by the students for a two-year term; four students, each serving a two-year term. One student is elected annually by the students-at-large, and one is elected annually by the student members of the Senate. In addition, the constitution calls for the election of up to four persons from outside the University for four-year terms, the initial four to be elected one each year for four consecutive years.

The Senate has three officers: the speaker, the secretary, and the chairman of the executive committee. The three major committees elected by the Senate are the executive committee, the committee on campus life, and the committee on committees.

The committee on campus life and its subcommittees originate Senate policies and actions required to carry out the intent of the University's Division of Campus Life. The committee on committees is responsible for staffing all Senate committees except those for which procedures are specified by the constitution, by-laws, or internal rules of the Senate.

UNIVERSITY UNIONS

There are three University unions at Cornell: Willard Straight Hall, which has served student needs since 1925; the Agnes and Jansen Noyes Center, which was opened in the fall of 1967; and the North Campus Union, which opened in 1971.

Willard Straight Hall serves as a campus gathering point and a center for social, cultural, and recreational activities for all Cornell students. Its facilities include halls for dances, receptions, and other social gatherings; a theatre; a billiard and game room; a browsing library; lounges; a music room; a room for the exhibition of works of art; a craft shop, a barber shop; and offices and meeting rooms for student organizations. Among the many special services available for students are a central ticket office, a painting and phonograph record rental service, and a central reservations service for student activities. The Straight desk is a service center where newspapers, magazines, and sundries are sold. Checks up to \$25 may be cashed there. The desk is manned seventeen hours a day and offers an information service with a long tradition of finding the answer to any question about Cornell. Dining services include a cafeteria, a snack bar (the Ivy Room), a luncheon buffet (the Elmhirst Room), and rooms for private luncheons and dinners.

Noyes Center was made possible through the generosity of Agnes and Jansen Noyes. Like Willard Straight, it provides numerous facilities and activities for members of the Cornell community, including a cafeteria, study lounges, meeting rooms, a music listening room, an exercise area, a game room with table tennis and billiards, a television lounge, a pub serving beer and wine, and an information and service desk selling sundries, newspapers, and magazines.

The North Campus Union is in the new residence hall complex located between Pleasant Grove Road and North Trip-hammer Road. Facilities include a mail center; a pick-up area for laundry, dry cleaning, and shoe repair; a store that sells toilet articles, school supplies, gift items, cards, records, etc.; a crafts center; photographic darkrooms; television lounges; a recreation area with billiards and table tennis; a music listening room; browsing lounges; a multipurpose room; meeting rooms and

offices for student organizations; music practice rooms; a nursery school; and a cafeteria and private dining rooms.

Special staff resources for students include coordinators for cinema, concerts, reservations, activities for blacks, graduate activities, and international activities.

The programs and activities available to students for extra-curricular recreation and learning through University Unions are of primary importance. They are planned by students, faculty, and staff who are members of the Board of Governors of University Unions or one of the three union boards or one of the numerous committees and clubs which comprise University Unions, including Cornell Cinema and the Cornell Concert Commission.

General responsibility for determining policies and operating procedures for all three unions is in the hands of students through these boards. These services and activities support the educational objectives of the University and provide opportunities for more meaningful personal relationships among members of the Cornell community, and fulfill the bequest of Willard Straight, who wanted to "...make Cornell a more human place."

SOCIAL AND CULTURAL ACTIVITIES

For those with interests in particular fields, there are more than a hundred organized groups, which include both faculty and students in their membership. Among them are clubs for persons with similar academic interests or similar hobbies, local chapters of professional organizations, associations of students from other nations, and a number of national honorary societies that recognize achievement in scholarship and other fields of endeavor.

ATHLETICS

At Cornell, athletics are designed to encourage the participation of every able-bodied student either in varsity sports or in the comprehensive intramural program. In addition to physical fitness, the work in athletics stresses the development of sportsmanship and a keen competitive spirit as enduring values that will be carried into later life. Cornell supports one of the largest inter-collegiate athletic programs in the country and belongs to the Ivy League. There is varsity and freshman competition for men in the following sports: baseball, basketball, crew, 150-pound crew, cross-country, fencing, football, 150-pound football, golf, gymnastics, hockey, lacrosse, polo, rifle, sailing, squash, soccer, skiing, swimming, tennis, track, and wrestling. Intramural and informal sports include badminton, basketball, billiards, bowling, boxing,

broomstick polo, cross-country, fencing, golf, hockey, horseshoes, judo, sailing, skating, skiing, soccer, softball, swimming, table tennis, touch football, track, volleyball, and wrestling. The women's intercollegiate competitive sports program consists of badminton, basketball, bowling, field hockey, golf, lacrosse, sailing, skiing, swimming, and tennis.

MUSIC

The Sage Chapel Choir, the Cornell Chorus, the University Glee Club, the University orchestras and bands, chamber music ensembles, the Opera Workshop, and other musical organizations give a wide range of opportunity to students who want to participate in music making. The University Faculty Committee on Music sponsors visiting soloists and major orchestras in the Bailey Hall Concert Series, string quartets and other groups in the Chamber Music Series at Alice Statler Auditorium, and occasional operas, ballets, and special events. In addition, annually the Department of Music sponsors more than sixty free concerts and lectures by visiting artists or by Cornell faculty and students.

PUBLICATIONS

Cornell students edit and publish a yearbook, the *Cornellian*; several literary magazines; and a number of magazines relating to special fields of interest such as the *Cornell Engineer*, the *Cornell Countryman*, and the *Cornell Law Review*. Cornell students are also involved with the private publication of the *Cornell Daily Sun*.

STUDENT CONDUCT

Cornell University is an academic institution devoted to the pursuit of excellence in education. While this education emphasizes intellectual excellence, it must include the sum of an individual's experience at the University. Diversity of opportunity and freedom of choice and action are essential to a Cornell education, but excellence depends upon the responsibility of each person to exercise the privileges of freedom with concern for his own integrity as well as the best interests of the community.

The private life of each member of the community must be respected. Cornell University, therefore, assumes that responsible conduct by individuals and groups must comply with minimum standards and regulations necessary to insure maximum individual freedom and the effective functioning of the University as an educational institution.

Registered student organizations are expected to assume the responsibilities of membership in the University community. The Organization and Activities Review Committee (OARC) is charged with effective enforcement of regulations applicable to all student organizations, under policies established by the University Senate.

The *Policy Notebook for Students*, mailed to all new students before classes begin, makes clear to students and student organizations the nature of their obligations as members of an educational community and establishes the consequences of failure to meet those obligations for which they are held accountable. It should be emphasized that the principle of procedural fairness as set forth in faculty and University Senate legislation is basic to the process of adjudicating violations.

Complaints relating to student conduct are considered by the Office of the Judicial Administrator and the appropriate judicial boards.

On May 1, 1969, the University Board of Trustees set forth the following declaration.

We hereby affirm that these are the governing standards of Cornell University:

1. That all students and faculty are guaranteed the right of free speech.
2. That the freedom to teach in accordance with the dictates of intellect and conscience is fundamental to the University, and that no one has any right to inhibit the rights of others to teach or to interfere with the freedom to learn.
3. That bigotry and racial discrimination have no place on the Cornell campus.
4. That every member of the Cornell community is to be judged individually as to his conduct and performance.
5. That the University is not a sanctuary from the law.
6. That duress, intimidation, violence and the threat of violence are inimical to the life of the University and unacceptable as expressions of dissent.
7. That disruption and the tactics of terror will be met by firm and appropriate response.
8. That orderly change is essential to the life and the growth of the University.
9. That Cornell encourages faculty and student ideas for adapting the structure, curricula, and programs of the University to the changing needs of the times.
10. That all University policies must be consonant with the basic Cornell principle of freedom with responsibility.



North Campus Student Residences are the latest additions to the University's housing facilities, contemporary not only in architecture but also in concept for student living.

OMBUDSMAN

The Cornell University ombudsman will investigate complaints and hear grievances brought by anyone in the Cornell community about the University or anyone in it who exercises authority. In times of emergency the Ombudsman operates a rumor control center.

Professor Byron Yaffe, the University ombudsman, is assisted by Alan L. Sapakie, Joycelyn R. Hart, Danilee G. Spano, and various students. The offices are located at 201 Barnes Hall. The telephone number is 256-4321.

THEATRE ARTS

A wide range of dramatic production is presented by Cornell students under the sponsorship and general supervision of the Department of Theatre Arts. Eight of these productions are presented as a "season" which is scheduled in advance and for which open tryouts are held at the beginning of each semester. Other more informal productions accumulate throughout the year. Invitations to participate in these productions are posted on the bulletin boards of Lincoln Hall. Productions are normally mounted in the University Theatre in Willard Straight Hall, the Drummond Studio in Lincoln Hall, and the Kaufmann Auditorium in Goldwin Smith Hall.

Students are provided with film-making opportunities through the facilities of the Department and the Independent Film-Makers at Cornell.

HEALTH SERVICES

The University Health Services provide facilities for comprehensive medical care of students. To help students achieve their educational goals the objectives are: (1) the diagnosis and treatment of illness (physical and emotional) with a minimum time loss from academic work; (2) the prevention of acute physical and emotional disorders whenever possible; and (3) the development of an intelligent and realistic attitude toward health on the part of every student.

ELIGIBILITY

All undergraduate and graduate students regularly registered in the University are eligible for the University health services. The cost is included in the charges made to the student.

THE CLINIC AND INFIRMARY

Outpatient care is centered in the Gannett Medical Clinic, 10 Central Avenue. Hospital care is given in the Sage Infirmary on Sage Place, with the entrance on East Seneca Street between Stewart Avenue and Schuyler Place, about five blocks from the edge of the campus.

The Clinic and Infirmary medical staff, under the supervision of the clinical director, consists of attending physicians from the University staff and of consulting physicians and surgeons in the various medical fields from Ithaca and vicinity.

A student may consult a physician at the Clinic whenever need arises. Appointments with doctors at the Clinic should be made by calling or coming in person to the Clinic. An acutely ill patient will be seen promptly whether he has an appointment or not. An initial consultation with a medical specialist is provided when requested by a clinic physician. Further care by a specialist is the financial responsibility of the student.

Emergency Service: Students who need medical attention during the hours when the Clinic is closed, may go to Sage Infirmary. If an accident or serious illness occurs, the physician on Emergency Service may be reached by calling 256-3493 during Clinic hours or 256-6962 after Clinic hours.

Hospitalization in Sage Infirmary for a maximum of fourteen days per term is covered by the fees charged. (A per diem charge is made if hospitalization extends beyond fourteen days.) Hospital service includes medical and emergency surgical care, as well as most laboratory and x-ray examinations indicated for diagnosis and treatment. Emergency surgery is done at Tompkins County Hospital. In providing these services the agreement between Tompkins County Hospital and Cornell is that the hospital will look to available insurance carried by the student, his family, or a responsible third party as the primary source of payment. Cornell will provide payment to the extent that other available sources do not cover charges during the first fourteen days. (Emergency surgery is defined as initial surgical procedure which, in the opinion of the clinical director, is necessary for the immediate welfare and safety of the patient.) The student fee does not include surgery for the correction of chronic remedial defects or obstetrical care. There is an additional fee for emergency house calls.

In providing these services, the University reserves the right to bill the student's employer or other third party, including a pre-existing insurance carrier, legally responsible for providing hospitalization and medical care and to be subrogated to the student's

right against these parties for the cost of these services when such liability exists.

A student in Sage Infirmary may, if he so desires, employ a private physician from the visiting staff. A student may also receive medical care from a private physician rather than consult the Clinic. The University does not cover the cost of these private arrangements.

Prospective students are urged to have dental, visual, and other remedial defects corrected before entering the University.

If, in the opinion of the University authorities, the student's health makes it unwise for him to remain in the University, he may be required to withdraw.

ELECTIVE INSURANCE PLAN

Insurance is available on a voluntary basis to supplement the services as outlined above. For example, hospitalization in Sage Infirmary in excess of fourteen days a term, and expenses for illness or accidents outside Ithaca both during the academic year and during vacation would be covered. Unless students have other insurance to supplement medical services provided by the University Health Services, they are strongly urged to take advantage of this plan. Information about this insurance may be obtained at the Gannett Medical Clinic where a representative of the elective insurance company has an office.

HEALTH REQUIREMENTS

Each entering student is expected to assume personal responsibility for fulfilling the following health requirements adopted by the Cornell University trustees. Permission to register for a new semester will not be granted unless all health requirements pertaining to the previous semester have been fulfilled.

UNDERGRADUATE STUDENTS

A. IMMUNIZATION. A satisfactory certificate of immunization against smallpox, on the form supplied by the University, must be submitted before registration. It will be accepted as satisfactory only if it certifies that within the last three years a successful vaccination has been performed. If this requirement cannot be fulfilled by the student's home physician, opportunity for immunization will be offered by the Cornell medical staff during the student's first semester, with the cost to be borne by the student. If a student has been absent from the University and if he has not been vaccinated within the past three years, immunity will be considered to have lapsed, and a certificate of revaccination must be submitted.

B. X RAY. Every student is required to have a chest x ray. Opportunity is given to satisfy this requirement during the student's first week on campus. The cost of the x-ray examination is included in students' fees. When a student who has been away from the University for more than a year wishes to reenter, he must, at his own expense, again fulfill the chest x-ray requirement.

C. MEDICAL EXAMINATION. Each undergraduate student is required to submit a health history and to have a medical examination. (This applies also to special students who must meet other medical and health requirements such as physical education and military training.) A student accepted for admission will be sent forms to be filled out by his home physician and returned promptly to the Gannett Medical Clinic. A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. After arrival at Cornell, if the medical history indicates a need, a student will be given an appointment to consult a physician at the Clinic. When a student has been away from the University for more than a year, he must, upon reentrance, submit an interim health history on a University form.

D. TETANUS TOXOID. Students, including special students enrolled in one-year or two-year courses, are required to be immunized to tetanus through use of tetanus toxoid. The University has adopted this rule to avoid reactions, often serious, if antitoxin (horse serum) is administered at the time of injury. Immunity through toxoid offers the advantage of protection without risk of antitoxin reaction.

Active immunization shall be acquired within five years prior to initial registration unless the student's home physician is unable to give the toxoid. If there has been no previous immunization, an original series of two or three doses, depending on the type used, spaced at least one month apart, will be necessary. This will be followed by a booster dose one year later. If there has been previous immunization, reactivation by a single booster dose is required for entrance to Cornell. After entrance a booster dose will be given whenever medically indicated.

Certification of immunization by the student's home physician is to be reported on the immunization form supplied by the University. Students unable to obtain the immunization at home will be given the opportunity, during the first semester, to obtain it from the Cornell medical staff or any Ithaca physician. If it is received from the former, a charge comparable to the average physician's fee will be made. Opportunity will also be given to obtain the booster dose that is required one year later, as well as any further booster doses as recommended by recognized medical authorities.

GRADUATE STUDENTS

A. IMMUNIZATION. A satisfactory certificate of immunization against smallpox, on the form supplied by the University, must be submitted before registration. It will be accepted as satisfactory only if it certifies

that within the last three years a successful vaccination has been performed. If this requirement cannot be fulfilled by the student's home physician, opportunity for immunizations will be offered by the Cornell medical staff during the student's first semester, with the cost to be borne by the student. If a student has been absent from the University and if he has not been vaccinated within the past three years, immunity will be considered to have lapsed, and a certificate of revaccination must be submitted.

B. X RAY. Every student is required to have a chest x ray. Opportunity is given to satisfy this requirement during the student's first week on campus. The cost of the x-ray examination is included in students' fees. When a student who has been away from the University for more than a year wishes to reenter, he must, at his own expense, again fulfill the chest x-ray requirement.

C. HEALTH HISTORY. Graduate students, when accepted, must submit *health histories* on forms supplied by the University. These should be returned promptly to the Gannett Medical Clinic. A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. After arrival at Cornell, if the medical history indicates a need, a student will be given an appointment to consult a physician at the Clinic. When a student has been away from the University for more than a year, he must, upon reentrance, submit an interim health history on a University form.

D. TETANUS TOXOID. While not required, it is strongly recommended by the University Health Services that all graduate students have immunization against tetanus before entering the University. The Health Services will, however, make available at the Gannett Clinic initial and all booster tetanus toxoid immunizations at a nominal charge.

PHYSICAL EDUCATION

As part of the normal course of study leading to a baccalaureate degree, the University faculty has established the following requirements in physical education:

All undergraduate students must complete four terms of work in physical education.

The requirement in physical education is a requirement of the first four terms, and postponements are to be allowed only by consent of the University Faculty Committee on Requirements for Graduation.

Exemptions from the requirement may be made by the Committee on Requirements for Graduation when recommended by the Cornell medical staff, or because of unusual conditions of age, residence, or outside responsibilities. Students who have been discharged from the armed forces may be exempted.

For students entering with advanced standing, the number of terms

of physical education required is to be reduced by the number of terms which the student has satisfactorily completed (not necessarily including physical education) in a college of recognized standing.

Responsibility for the interpretation of the requirement and for its application in individual cases is placed upon the Committee on Requirements for Graduation.

The University requirements in physical education may be met by four terms of satisfactory work in courses under the supervision of the Department of Physical Education. Publications describing the courses offered will be made available to entering students by the Department. There are separate programs, with separate staffs, for men and women. The courses are directed toward the development of skills and the encouragement of an interest in recreational sports that will be carried over after graduation, as well as toward the student's immediate physical welfare.

Any entering student who believes that he qualifies for exemption from the requirements or for postponement of the satisfaction of them, should present his case to the appropriate member of the University Faculty Committee on Requirements for Graduation. The committee members are: chairman: Norman Penney, dean of the University Faculty; Professor James O. Mahoney, College of Architecture, Art, and Planning; Herbert L. Everett, director of Resident Instruction, College of Agriculture and Life Sciences; Donald P. Dietrich, director of the Office of Resident Instruction, School of Industrial and Labor Relations; Professor Malcolm S. Burton, associate dean, College of Engineering; Dean George C. Poppensiek, Veterinary College; Dean Robert A. Beck, School of Hotel Administration; Professor Thomas Sokol, College of Arts and Sciences; Martin W. Sampson, dean of the Division of Summer Session and Extramural Courses and director of the Division of Unclassified Students; Associate Dean Jean Failing, undergraduate education, College of Human Ecology.

MOTOR VEHICLES

The University does not encourage student use of motor vehicles but recognizes that in certain cases there may be important reasons why a student needs a motor vehicle. University regulations apply to all types of motor vehicles, including automobiles, motorcycles, motor bikes, and motor scooters.

Every student who owns, maintains, or for his own benefit operates a motor vehicle must register it with the Traffic Bureau unless that vehicle is otherwise currently registered with that Bureau. Freshmen are not permitted to own, maintain, or operate motor vehicles. All students must register motor vehicles within the prescribed time for University regis-

tration at the beginning of the fall term or within five days after becoming subject to the above rule. Students entering the University for the spring semester or reentering after a period of absence must register motor vehicles with the Traffic Bureau at the time of, or within the time for, general registration. Nonregistered vehicles may not be parked on campus at any time.

The student's registration in the University is held to constitute an agreement on his part that he will abide by all its rules and regulations with regard to traffic and parking or suffer the penalty prescribed for any violation of them.

Parking and driving in the central part of the Cornell campus is restricted on weekdays between 7:30 a.m. and 5:00 p.m. During these hours no car without a special parking permit is allowed to enter the central part of the campus. Nor may cars without permits park on the campus outside the central restricted area except in those areas specifically designated for visitors.

At all other times parking without a permit is allowed throughout the campus except in parking spaces specifically signed to the contrary. Overnight parking is prohibited from December 1 to April 1.

Because of the necessity to limit traffic and parking, students are cautioned that the regulations are enforced and that illegally parked cars may be towed away at the owner's expense.

Special area parking permits are issued only after careful consideration by the Traffic Bureau. Extenuating circumstances (physical disabilities, etc.) are the basis for the issuance of these permits.

A complete list of regulations is found in the pamphlet *Regulations Governing Motor Vehicles*, which is made available at registration. Correspondence regarding motor vehicles should be addressed to the Traffic Bureau, G-11 Barton Hall, Cornell University, Ithaca, New York 14850.

EXPENSES

The costs of attending Cornell fall into two general categories. The first category includes certain fixed charges for tuition, fees, and deposits, and related charges for services provided by the University. The second category includes living costs and items of personal expense. To make a realistic estimate of his financial needs at Cornell, the prospective student should note carefully each of the sections that follow.

UNIVERSITY CHARGES

Students entering the Ithaca divisions of the University should familiarize themselves with the charges made in the college or school in which they plan to enroll and with the rules governing payments as given in the pages following. Table 1 lists the tuition paid *each term* by students in the Ithaca divisions of the University (there are two terms in the normal academic year). Tuition

and fees in the Medical College and the School of Nursing in New York City are listed in the *Announcements* of those divisions.

Other Fees and Deposits

In addition to the charges listed in the table, certain financial obligations should be carefully noted and taken into account in the student's budget of expenses for the term in which they are due (see pp. 73-75).

An *application fee* of \$20 must be paid at the time an application for admission is submitted to any division except the Law School where the fee is \$15. The fee is nonrefundable.

A *registration fee* of \$50 must be paid at the time the applicant receives notice of acceptance from any of the following divisions: Agriculture and Life Sciences; Architecture, Art, and Planning; Arts and Sciences; Engineering; Graduate School; Graduate School of Aerospace Engineering; Graduate School of Nutrition; Human Ecology; Hotel Administration; Industrial and Labor Relations; Unclassified; and Veterinary. The fee is nonrefundable and does not apply toward the first term's charges.

A *registration fee* of \$100 must be paid at the time the applicant receives notice of acceptance from the Graduate School of Business and Public Administration or the Law School. The fee is nonrefundable, but, when the applicant first registers in the University, \$50 of the fee is applied to the first term's charges.

Transfer Tuition

Any student transferring from one college (or course or courses) in the University to another must, on or before the time of transfer, pay an amount corresponding to the difference in tuition for the hours of credit that will be allowed in the latter college (or course or courses).

TABLE 1. TUITION

COLLEGE, SCHOOL, OR DIVISION	TUITION EACH TERM
AGRICULTURE AND LIFE SCIENCES:	
Resident*	\$ 600.00
Non-resident	900.00
ARCHITECTURE	1,500.00
ARTS AND SCIENCES	1,500.00
ENGINEERING	1,500.00
EXTRAMURAL (Tuition per credit hour)	75.00
GRADUATE SCHOOL:	
with major field of study in an Endowed Division	1,500.00
with major field of study in Agriculture and Life Sciences, Human Ecology, or Industrial and Labor Re- lations	700.00
with major field of study in Veterinary	900.00
GRADUATE SCHOOL OF AEROSPACE ENGINEERING	1,500.00
GRADUATE SCHOOL OF BUSINESS AND PUBLIC AD- MINISTRATION:	
First year student	1,600.00
Second year student	1,500.00
HOTEL ADMINISTRATION	1,500.00
HUMAN ECOLOGY:	
Resident*	600.00
Non-resident	900.00
INDUSTRIAL AND LABOR RELATIONS:	
Resident*	600.00
Non-resident	900.00
LAW SCHOOL	1,400.00
UNCLASSIFIED STUDENTS	1,500.00
VETERINARY:	
Resident*	900.00
Non-resident	1,200.00

* A resident is a person whose domicile is in the State of New York at the time of registration for the term.

Excess Hours Tuition

Students in the four statutory divisions who wish to take courses in the endowed divisions beyond the hours allowed free under the rules of those statutory divisions, may be allowed to do so on payment for the additional hours of instruction at the rate of tuition in the college in which the instruction is given.

Special Fees

The following fees are imposed under certain conditions: late registration, \$10; make-up examination, \$10; late filing of study card, \$10; late change of program, \$10; failure to check out chemistry desk, \$5.

PAYMENT OF UNIVERSITY BILLS

The Bursar's Office mails a bill for charges to the home address of each student. Parents may set up a three-months schedule or make full payment. Students in the Graduate School receive a separate bill for tuition with their registration material which is due within the first ten days of the term. Checks in payment of student bills should be drawn in the amount owed. The University accepts checks only if they are drawn on banks located in the United States.

If charges are not paid within fifty days of the billing date, a monthly finance charge at a monthly rate of 1% (annual percentage rate 12%) will be imposed on all past due amounts. If charges are not paid in full within ninety days of the official registration date of the term, the student's registration in the University will be subject to termination. Interest is computed from the first billing date.

Refunds

Part of the amount personally paid for tuition will be refunded if the student obtains an official certificate of Leave of Absence or Withdrawal at the office of the dean or director of the academic division in which he is enrolled. Students who terminate their registration in the University during a regular term in this manner will be charged tuition from the registration day to the effective date of the certificate as follows: first week 10 per cent, second week 20 per cent, third week 30 per cent, fourth week 40 per cent, fifth week 60 per cent, sixth week 80 per cent, seventh week 100 per cent, except that no charge will be made if the effective date is within the first six days, including registration day. No part of the application or registration fees is refundable.

The amount, time, and manner of payment of tuition, fees, or other charges may be changed at any time without notice

ESTIMATE OF STUDENTS' EXPENSES

The figures below are estimates of specific expenses for the regular academic year of two terms. They do *not* include tuition and certain fees, all of which are given in detail in earlier pages of this section. Students should also add their own travel expenses to the estimated total.

Room and food costs	\$1,500
Registration deposit	50
Books and equipment	}
Personal allowances	
Laundry and cleaning	
Total (average) expenses	\$2,200

CHOOSING A COLLEGE OR SCHOOL

For a person interested in Cornell, the matter of deciding in which division of the University he wants to study should not be difficult. The general descriptions of the work in the several colleges and schools are given on pp. 7-17 should indicate which division offers the desired type of preparation. The prospective student should write for the *Announcement* that gives a detailed description of the curriculum in which he is interested. (The writer should include his zip code in his return address.) Any *Announcement* will be mailed without charge. A complete list will be found at the end of this publication.

SUBJECTS OF STUDY

The prospective student frequently and naturally thinks in terms of specific courses, such as chemistry, or design, or bacteriology, instead of in terms of a broad curriculum such as arts and sciences, or architecture, or agriculture. Therefore, in identifying the division in the University where particular instruction is offered, he may find the following general list of subjects of study useful. The subject is the left-hand column of the list, and the college or school in which the subject is taught is in the right-hand column.

The names of the colleges and schools of the University are abbreviated as follows: Agriculture and Life Sciences (*Ag*); Architecture, Art, and Planning (*Arch*); Arts and Sciences (*Arts*); Business and Public Administration (*Bus*); Engineering (*Engin*); the Graduate School (*Grad*); Human Ecology (*Human Ec*); Hotel Administration (*Hotel*); Industrial and Labor Relations (*ILR*); Law (*Law*); Medical (*Med*); Graduate Medical Sciences (*Grad Med Sci*); Nursing (*Nurs*); Nutrition (*Nutrit*); and Veterinary (*Vet*).

Each division has a separate *Announcement*. Information about the courses offered by the Africana Studies and Research Center (*Afr Center*) may be obtained from the Center, 310 Triphammer Road, Ithaca, New York 14850. Information about military science (AROTC), naval science (NROTC), and aerospace studies (AFROTC) is given in the *Announcement of Officer Education (Officer)*. Information about the academic offerings in Asian studies and education is given in the *Announcement of Asian Studies* and the *Announcement of Education*.

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
ACCOUNTING	<i>Ag, Bus, Engin, Hotel</i>	APPAREL DESIGN (merchandising)	
ACTING	<i>Arts</i>		<i>Human Ec</i>
ADMINISTRATION AND LAW	<i>Bus, Law</i>	APPLIED MATHEMATICS	<i>Arts, Engin</i>
ADMINISTRATIVE PROCESS	<i>Bus</i>	APPLIED PHYSICS	<i>Arts, Engin</i>
AEROSPACE ENGINEERING	<i>Engin</i>	nuclear physics	
aerodynamics		plasma physics	
fluid mechanics		quantum electronics	
gasdynamics		quantum and statistical mechanics	
magnetofluidynamics		solid state physics and materials science	
AEROSPACE STUDIES (ROTC)	<i>Officer</i>	space physics	
AFRICANA STUDIES	<i>Afr Center</i>	ARBITRATION	<i>ILR</i>
AGRICULTURE, GENERAL	<i>Ag</i>	ARCHAEOLOGY	<i>Arts</i>
AGRICULTURAL BROADCASTING	<i>Ag</i>	ARCHITECTURAL HISTORY	<i>Arch, Arts</i>
AGRICULTURAL ECONOMICS	<i>Ag</i>	ARCHITECTURAL SCIENCES	<i>Arch</i>
business management		ARCHITECTURE	<i>Arch</i>
farm finance		ART (history of)	<i>Arts</i>
farm management		ARTS (practice of fine arts)	<i>Arch, Arts</i>
food distribution		ASIAN STUDIES	<i>Arts</i>
marketing		ASTRONOMY AND SPACE SCIENCES	
resource economics			<i>Arts, Engin</i>
AGRICULTURAL ENGINEERING	<i>Ag, Engin</i>	BACTERIOLOGY	<i>Ag, Arts, Med, Vet</i>
agricultural structures		BANKING AND FINANCE	<i>Ag, Bus</i>
agricultural waste management		BIOCHEMISTRY	<i>Ag, Arts, Med, Nutrit</i>
electrical power and processing		BIOLOGICAL SCIENCES	<i>Ag, Arts</i>
power and machinery		animal physiology and anatomy	
soil and water engineering		biochemistry	
AGRICULTURAL BUSINESS MANAGEMENT		botany	
	<i>Ag, Bus</i>	ecology, evolution, and systematics	
AGRICULTURAL EXTENSION	<i>Ag</i>	genetics and development	
AGRICULTURAL MISSIONARY SERVICE	<i>Ag</i>	microbiology	
AGRICULTURAL SCIENCE	<i>Ag</i>	neurobiology and behavior	
AGRONOMY	<i>Ag</i>	BIOMATHEMATICS	<i>Grad Med Sci</i>
crop science		BLACK STUDIES	<i>Afr Center</i>
field crops		BOTANY	<i>Ag</i>
soil conservation		BUSINESS ADMINISTRATION	<i>Bus</i>
soil science		(see also AGRICULTURAL ECONOMICS)	
AIR SCIENCE	<i>Officer</i>	accounting (industrial & public)	
AMERICAN STUDIES	<i>Arts, ILR</i>	agricultural management	
ANALYSIS OF DATA	<i>Arts, Bus, ILR</i>	business management	
ANATOMY	<i>Arts</i>	finance	
ANIMAL SCIENCE	<i>Ag</i>	hospital & health administration	
animal genetics		managerial economics	
animal nutrition		marketing	
animal physiology		personnel management	
dairy production		production	
livestock production		transportation & public utilities	
meat science		BUSINESS LAW	<i>Ag, Bus, Hotel</i>
ANTHROPOLOGY	<i>Arts</i>	BUSINESS MANAGEMENT	<i>Ag, Bus</i>

<i>Subject of Study</i>	<i>College or School</i>
CHEMICAL ENGINEERING	<i>Engin</i>
biochemical engineering	
chemical microscopy	
chemical processes	
kinetics and transport processes	
nuclear process engineering	
polymer science and materials engineering	
CHEMISTRY	<i>Arts, Hotel</i>
CHILD DEVELOPMENT	<i>Human Ec</i>
CHINESE	<i>Arts</i>
CINEMA	<i>Arts</i>
CITY MANAGEMENT	<i>Bus</i>
CITY AND REGIONAL PLANNING	<i>Arch</i>
CIVIL AND ENVIRONMENTAL ENGINEERING	<i>Engin</i>
aerial photographic studies	
environmental systems engineering	
geodetic and photogrammetric engineering	
geotechnical engineering	
hydraulics and hydrology	
sanitary engineering	
structural engineering	
structural mechanics	
transportation engineering	
water resources systems	
CLASSICS	<i>Arts</i>
CLOTHING	<i>Human Ec</i>
CLUB MANAGEMENT	<i>Hotel</i>
COLLECTIVE BARGAINING	<i>ILR</i>
COMMUNICATION ARTS	<i>Ag, Human Ec</i>
COMMUNITY NUTRITION	<i>Human Ec</i>
COMMUNITY SERVICE EDUCATION	<i>Human Ec</i>
COMPARATIVE LITERATURE	<i>Arts</i>
COMPUTER SCIENCE	<i>Arts, Engin</i>
information processing	
numerical analysis	
theory of computation	
COMPUTERS AND DATA PROCESSING	<i>Engin, Hotel</i>
CONSERVATION	<i>Ag</i>
CONSUMER ECONOMICS	<i>Human Ec</i>
CONSUMER EDUCATION	<i>Human Ec</i>
CONSUMER PRODUCT DESIGN ..	<i>Human Ec</i>
DAIRY PRODUCTION	<i>Ag</i>
DANCE	<i>Arts</i>
DESIGN	<i>Arch, Human Ec</i>
DESIGN, ARCHITECTURAL	<i>Arch</i>
DESIGN, ENGINEERING	<i>Engin</i>
DEVELOPMENTAL PSYCHOLOGY ..	<i>Human Ec</i>
DIETETICS	<i>Human Ec</i>
DIRECTING (theatre arts)	<i>Arts</i>
DRAMA	<i>Arts</i>
DRAWING	<i>Ag, Arch, Human Ec</i>
DRAWING, MECHANICAL	<i>Ag</i>
ECONOMICS	<i>Ag, Arts, Bus, Human Ec, ILR, Nutrit</i>
ECONOMICS AND POLICY ...	<i>Ag, Arts, Bus, ILR</i>
EDUCATION ...	<i>Ag, Arts, Human Ec, ILR</i>
agricultural education	

<i>Subject of Study</i>	<i>College or School</i>
community service education	
curriculum and instruction	
early childhood education	
educational administration and supervision	
educational psychology and measurement	
extension, adult and continuing education	
general education	
guidance and personnel administration	
health education	
history, philosophy, and sociology of education	
home economics education	
kindergarten	
nature study, science, and conservation education	
nursery school	
organizational behavior	
secondary education	
ELECTRICAL ENGINEERING	<i>Engin</i>
bioelectronics	
control theory	
electromagnetic theory and microwave devices	
high-energy plasmas	
information and decision theory	
microwave solid state electronics	
network and system design	
quantum electronics and solid state physics	
radiophysics and geophysical plasmas	
ENGINEERING	<i>Engin</i>
aerospace engineering	
agricultural engineering	
applied physics	
chemical engineering	
civil engineering	
computer science	
electrical engineering	
engineering physics	
environmental engineering	
geological sciences	
industrial engineering	
materials science and engineering	
mechanical engineering	
mechanical systems and design	
operations research	
structural engineering	
theoretical and applied mechanics	
thermal engineering	
ENGINEERING, AGRICULTURAL ..	<i>Ag, Engin</i>
ENGINEERING COOPERATIVE PROGRAM	<i>Engin</i>
ENGINEERING PHYSICS	<i>Engin</i>
ENGLISH	<i>Arts</i>
ENTOMOLOGY	<i>Ag</i>
beekeeping	
insect morphology	
insect physiology	
insect taxonomy	
medical entomology	

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Subject of Study College or School

parasitology
 ENVIRONMENTAL ANALYSIS
 (human and social factors) *Human Ec*
 ENVIRONMENTAL ENGINEERING *Engin*
 EXTENSION EDUCATION *Ag*
 FAMILY DECISION MAKING *Human Ec*
 FAMILY RESOURCE MANAGEMENT
 Human Ec
 FAMILY SOCIOLOGY *Human Ec*
 FAMILY STUDIES *Human Ec*
 FAMILY RELATIONSHIPS *Human Ec*
 FEDERAL ADMINISTRATION *Bus*
 FEMALE STUDIES *Ag, Arts, Human Ec*
 FINANCE, BUSINESS AND PUBLIC
 Ag, Bus, Hotel
 FINE ARTS (practice of) *Arch, Arts*
 FLORICULTURE *Ag*
 commercial floriculture
 greenhouse crops production
 landscape service
 nursery management
 ornamental horticulture
 plant materials and propagation
 FOOD DISTRIBUTION *Ag, Bus*
 FOOD FACILITIES ENGINEERING *Hotel*
 FOOD AND NUTRITION *Human Ec*
 Nutrit
 FOOD SERVICE MANAGEMENT *Hotel,*
 Human Ec
 FOOD SCIENCE *Ag, Human Ec*
 FOOD TESTING AND RESEARCH *Human Ec*
 FOREIGN AGRICULTURE SERVICE *Ag*
 FRENCH *Arts*
 GENETICS *Ag, Arts, Grad Med Sci*
 GEOGRAPHY *Arts*
 GEOLOGICAL SCIENCES *Arts, Engin*
 GERMAN *Arts*
 GOVERNMENT *Arts*
 GRADUATE STUDIES *Grad*
 GRAPHIC ARTS *Arch*
 GREENHOUSE CROPS PRODUCTION *Ag*
 GREEK *Arts*
 GREEK CIVILIZATION *Arts*
 HISTORY *Arts, ILR*
 HISTORY OF ARCHITECTURE *Arch, Arts*
 HISTORY OF ART *Arts*
 HISTORY OF URBAN DEVELOPMENT
 Arch
 HUMAN ECOLOGY *Human Ec*
 HOSPITAL DIETETICS *Human Ec*
 HOSPITALS & HEALTH ADMINISTRATION *Bus*
 HOTEL ADMINISTRATION *Hotel*
 accounting
 administration
 chemistry
 club management
 data processing
 economics and finance
 financial management
 food facilities engineering
 food science
 food service management

Subject of Study College or School

law
 marketing
 personnel
 properties management
 psychology
 restaurant administration
 tourism
 HOUSEHOLD ECONOMICS *Human Ec*
 HOUSEHOLD EQUIPMENT *Human Ec*
 HOUSEHOLD MANAGEMENT *Human Ec*
 HOUSING *Arch*
 HOUSING (economic and social factors)
 Human Ec
 HOUSING DESIGN *Human Ec*
 HUMAN BIOLOGY *Arts*
 HUMAN DEVELOPMENT *Human Ec*
 HUMAN ECOLOGY *Human Ec*
 community service education
 consumer economics and public policy
 design and environmental analysis
 human development and family studies
 human nutrition and food
 HUMAN NUTRITION *Human Ec, Nutrit*
 INDEPENDENT MAJORS *Arts, Human Ec*
 INDUSTRIAL ENGINEERING *Engin*
 applied statistics and probability
 computers and data processing
 information processing
 operations research
 systems analysis and design
 INDUSTRIAL AND LABOR RELATIONS *ILR*
 collective bargaining
 economic and social statistics
 international and comparative
 labor relations
 labor economics
 labor union history and
 administration
 manpower studies
 organizational behavior
 personnel administration
 social security and protective labor
 legislation
 INSTITUTION MANAGEMENT *Hotel,*
 Human Ec
 INTERIOR DESIGN *Human Ec*
 INTERNATIONAL AGRICULTURE *Ag*
 INTERNATIONAL AND FOREIGN
 OPERATIONS *Bus*
 INTERNATIONAL STUDIES *Ag, Arts, Bus,*
 ILR, Law, Nutrit
 ITALIAN *Arts*
 JEWISH STUDIES *Arts*
 JOURNALISM (see COMMUNICATION ARTS)
 LABOR RELATIONS (see INDUSTRIAL AND
 LABOR RELATIONS)
 LANGUAGES, MODERN AND ANCIENT *Arts*
 LATIN *Arts*
 LATIN AMERICAN STUDIES *Ag, Arts*
 LAW *Law*
 emerging nations: legal problems in
 English-speaking Africa

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
jurisprudence		obstetrics and gynecology	
land-use planning		ophthalmology	
law and psychiatry		otorhinolaryngology	
legal history		pathology	
problems of urban development		pediatrics	
procedure		pharmacology	
public law		psychiatry	
LINGUISTICS	<i>Arts</i>	physiology and biophysics	
LITERATURE	<i>Arts</i>	public health	
LIVESTOCK PRODUCTION	<i>Ag</i>	radiology	
MANAGERIAL ECONOMICS	<i>Bus</i>	surgery	
MARKETING	<i>Ag, Bus, Hotel</i>	MEDIEVAL STUDIES	<i>Arts</i>
MATERIALS SCIENCE AND		METEOROLOGY	<i>Ag</i>
ENGINEERING	<i>Engin</i>	METALLURGICAL ENGINEERING	<i>Engin</i>
materials and metalurgical engineering		MICROBIOLOGY	<i>Arts, Ag</i>
materials science		MILITARY SCIENCE	<i>Officer</i>
MATHEMATICS	<i>Arts</i>	MUSIC	<i>Arts</i>
MATHEMATICS, APPLIED	<i>Arts, Engin</i>	NATURAL RESOURCES	<i>Ag</i>
MECHANICAL ENGINEERING	<i>Engin</i>	fishery biology	
biomechanical design		forestry	
combustion and air pollution		natural resources conservation	
controls engineering		wildlife science	
energy conversion		NAVAL SCIENCE	<i>Officer</i>
fluid mechanics		NEUROBIOLOGY AND	
heat transfer		BEHAVIOR	<i>Ag, Arts, Grad Med Sci</i>
lubrication		NUCLEAR SCIENCE AND ENGINEERING	<i>Engin</i>
materials processing		NURSERY CROPS PRODUCTION	<i>Ag</i>
mechanical systems and design		NURSING (see also PRENURSING)	<i>Nurs</i>
power generation		NUTRITION (grad. studies)	<i>Human Ec</i>
systems design			<i>Nutrit</i>
thermal engineering		NUTRITION, ANIMAL	<i>Ag, Nutrit</i>
vehicle dynamics		NUTRITION, FOOD AND	<i>Human Ec,</i>
MECHANICS, THEORETICAL AND			<i>Hotel, Nutrit</i>
APPLIED	<i>Engin</i>	NUTRITION, HUMAN	<i>Human Ec, Nutrit</i>
mechanics of materials		OPERATIONS RESEARCH	<i>Engin</i>
solid mechanics		applied probability and statistics	
MEDIATION	<i>ILR</i>	industrial engineering	
MEDICAL SCIENCES,		information processing	
GRADUATE	<i>Grad Med Sci</i>	operations research	
biochemistry		systems analysis and design	
biological structure and cell biology		ORNITHOLOGY	<i>Ag</i>
biology		PAINTING	<i>Ag, Arch</i>
biomathematics		PERSONNEL MANAGEMENT	<i>Bus,</i>
biophysics			<i>Hotel, ILR</i>
genetics		PHILOSOPHY	<i>Arts</i>
microbiology		PHYSICAL BIOLOGY	<i>Vet</i>
neurobiology and behavior		PHYSICAL EDUCATION*	
pathology		PHYSICS	<i>Arts, Engin</i>
pharmacology		PHYSICS, APPLIED	<i>Arts, Engin</i>
physiology		PHYSIOLOGY	<i>Ag, Arts, Grad Med Sci, Vet</i>
MEDICINE AND SURGERY	<i>Med</i>	PLANT BREEDING	<i>Ag</i>
anatomy		PLANT PATHOLOGY	<i>Ag</i>
anesthesiology		PLASMA PHYSICS	<i>Arts, Engin</i>
biochemistry		POMOLOGY	<i>Ag</i>
medicine		POPULATION STUDIES	<i>Arts</i>
microbiology			
neurology			

* The requirements in physical education are described in earlier pages of this *Announcement*; details of the courses offered are given in publications made available to students by the Department of Physical Education. The courses do *not* lead to a physical education degree.

80 SUBJECTS OF STUDY

<i>Subject of Study</i>	<i>College or School</i>
POULTRY SCIENCE	<i>Ag</i>
breeding	
management	
PREDENTAL TRAINING	<i>Arts</i>
PRELAW TRAINING	<i>Arts</i>
PREMEDICAL TRAINING	<i>Arts</i>
PRENURSING TRAINING	<i>Ag, Arts,</i> <i>Human Ec</i>
PREVETERINARY TRAINING	<i>Ag, Arts</i>
PRODUCTION	<i>Bus</i>
PROPERTIES MANAGEMENT	<i>Hotel</i>
PSYCHOLOGY <i>Ag, Arts, Hotel, Human Ec,</i>	<i>ILR</i>
PUBLIC ADMINISTRATION	<i>Bus</i>
(see also Public Admin. and Finance)	
agricultural policy and management	
city management	
federal administration	
finance	
general public administration	
hospital and health administration	
international and foreign operations	
personnel management	
transportation and public utilities	
PUBLIC ADMINISTRATION AND FINANCE <i>Ag</i>	
PUBLIC MANAGEMENT	<i>Bus</i>
PUBLIC POLICY	<i>Human Ec</i>
PUBLIC RELATIONS	<i>Ag, Hotel, ILR</i>
PUBLIC SPEAKING	<i>Ag, Arts</i>
QUANTITATIVE ANALYSIS FOR	
MANAGERIAL DECISIONS AND OF	
ECONOMIC DATA	<i>Bus</i>
RADIO ASTRONOMY	<i>Arts, Engin</i>
RADIOPHYSICS	<i>Arts, Engin</i>
RADIO-TELEVISION	<i>Ag</i>
REGIONAL PLANNING	<i>Arch</i>
RESTAURANT ADMINISTRATION	<i>Hotel</i>
ROMANCE LANGUAGES	<i>Arts</i>
ROMAN CIVILIZATION	<i>Arts</i>
RURAL SOCIOLOGY	<i>Ag</i>
RUSSIAN	<i>Arts</i>
SCULPTURE	<i>Arch</i>
SEED TECHNOLOGY	<i>Ag</i>
SEMITIC STUDIES	<i>Arts</i>
SLAVIC STUDIES	<i>Arts</i>
SOCIAL PSYCHOLOGY	<i>Arts</i>
SOCIAL RELATIONS	<i>Arts</i>
SOCIAL SECURITY	<i>ILR</i>

<i>Subject of Study</i>	<i>College or School</i>
SOCIAL SERVICE	<i>Ag, Human Ec</i>
SOCIOLOGY	<i>Arts, Human Ec, ILR</i>
SPACE PLANNING, INTERIOR	<i>Human Ec</i>
SPACE RESEARCH	<i>Arts, Engin</i>
SPANISH	<i>Arts</i>
STATISTICS <i>Ag, Arts, Bus, Engin, Hotel,</i>	<i>ILR</i>
STRUCTURAL ENGINEERING	<i>Engin</i>
STRUCTURES	<i>Arch</i>
TEACHING (see EDUCATION)	
TELEVISION-RADIO	<i>Ag</i>
TEXTILES	<i>Human Ec</i>
THEATRE ARTS	<i>Arts</i>
THEATRE HISTORY	<i>Arts</i>
THEORETICAL AND APPLIED	
MECHANICS	<i>Engin</i>
fluid mechanics	
mechanics of materials	
solid mechanics	
space mechanics	
TRANSPORTATION	<i>Bus, Engin</i>
URBAN DESIGN	<i>Arch</i>
URBAN DEVELOPMENT HISTORY	<i>Arch</i>
URBAN PLANNING	<i>Arch</i>
URBAN STUDIES	<i>Arts</i>
VEGETABLE CROPS	<i>Ag</i>
VETERINARY MEDICINE	<i>Vet</i>
anatomy	
animal pathology	
animal physiology	
animal virology	
biochemistry	
epidemiology	
laboratory animal medicine	
medicine	
obstetrics	
parasitology	
pathogenic bacteriology	
pharmacology	
physical biology	
radiology	
surgery	
toxicology	
virology	
WATER RESOURCES	<i>Engin</i>
WORKMEN'S COMPENSATION	<i>ILR</i>
ZOOLOGY	<i>Ag, Arts</i>

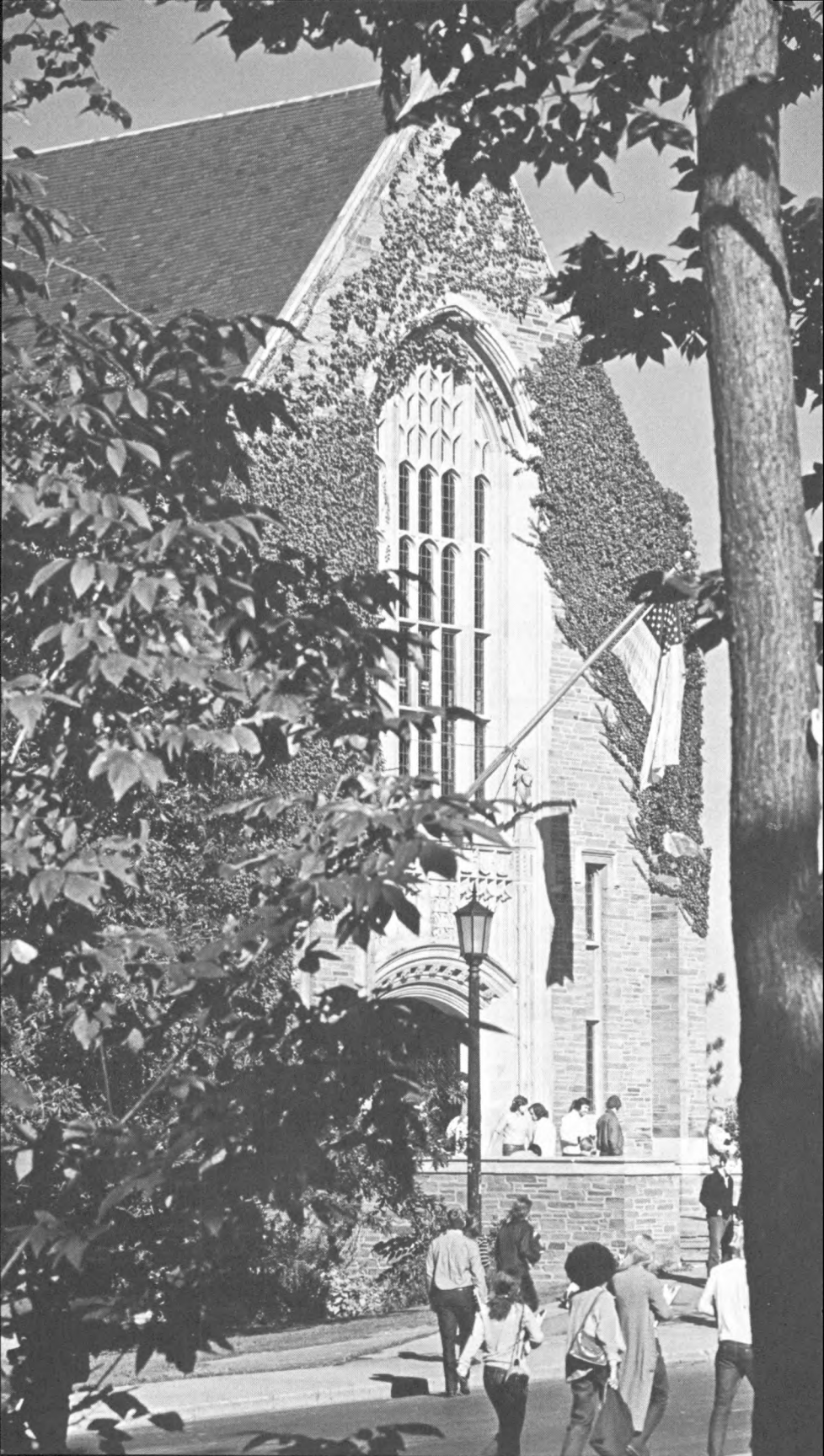
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College of Arts and Sciences
Department of Asian Studies
Graduate School of Business and Public Administration
Field of Education (Graduate)
College of Engineering
Graduate School
Graduate School: Course Descriptions
School of Hotel Administration
New York State College of Human Ecology
New York State School of Industrial and Labor Relations
Law School
Medical College (New York City)
Graduate School of Medical Sciences (New York City)
Cornell University-New York Hospital School of Nursing (New York City)
Graduate School of Nutrition
Officer Education (ROTC)
Summer Session
Veterinary College

The *Announcement of General Information* is designed to give prospective students pertinent information about all aspects and academic units of the University.

Requests for the publications listed above should be addressed to

CORNELL UNIVERSITY ANNOUNCEMENTS

Edmund Ezra Day Hall
Ithaca, New York 14850.

(The writer should include his zip code.)

